

Manufacturers Record

Exponent of America



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Baltimore, Md.
OCTOBER 4, 1928

South Neglects a Source of Great Wealth.

"The successful marketing of agricultural products is beginning more and more to depend upon the application of agricultural chemistry." Thus the United States Daily quotes Dr. C. A. Browne, assistant chief of the Bureau of Chemistry and Soils of the U. S. Department of Agriculture.

Through research on cornstalks carried out by the Iowa State College, methods of making paper and wall boards out of one of the great waste materials of middle-western agriculture have been developed, and commercialization is now in progress. Should the experiments prove successful on a large scale, an immense source of wholly new wealth will have been found for the farmers of the great corn states, including the South which produces about one-third of the country's corn crop.

The results of research as applied to cottonseed and cotton lint are too well known to need description. Such examples might be multiplied many times.

No section of the country stands to profit more richly by research applied to agricultural products than does the South—research into new by-products like rayon and cottonseed oil from standard crops; into new uses for existing products, and into methods for improving production, handling and marketing. Yet in proportion to its opportunities, it is doubtful that any section has made less use of those opportunities than has the South. Its colleges and other institutions of higher learning are notoriously shy on the research work that would entitle them to be classed as universities in the modern sense of the word.

That great research laboratory, the Bureau of Standards at Washington, stands ready to co-operate with all states in scientific problems of all sorts, but it has probably done more for the state of California than it has for the 16 Southern states combined. In scientific research it endeavors to be "all things to all men," but it is a shy, retiring institution, knowing no leap years, and must be courted to be won. The fruit growers of California have gone after it vigorously, and it has responded freely in research into methods for handling, preserving and canning their immense crops of fruits and vegetables. The same may be said for the research section of the Department of Agriculture. The Southern States have the same privileges and can secure the same whole-hearted degree of co-operation, but they must go after it. Let them realize their opportunities and formulate problems in getting the most out of their crops, then enlist the aid of these two great research institutions.

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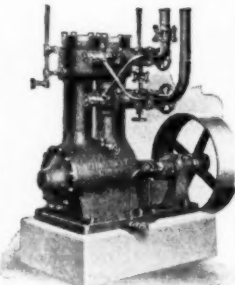
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How Woodrow Wilson Was Nominated in 1912 by Bryan's Tremendous Fight Against Tammany's Control of the Democratic Party.

AT the Democratic national convention in Baltimore, in 1912, a rollcall was under way. William J. Bryan arose to announce his vote, as one of the Nebraska delegation, and in so doing asked the privilege of explaining his vote, as is often done in parliamentary proceedings. Immediately, bedlam broke loose. Bryan, who had mounted his chair to speak, was accorded permission to address the gathering and started for the platform, but was pulled and hauled and reviled by delegates who did not want him to speak, and it was some time before he could reach the platform steps. Various epithets were hurled at him and it was feared by onlookers that he would be subjected to personal violence if he proceeded in his course of making a speech, for which plans, evidently, had been laid beforehand.

Throughout the disturbance, he was apparently the coolest figure in the hall and was entirely undisturbed by the hubbub his request for the privilege of explaining his vote had aroused, although for possibly five or ten minutes angry men milled around him. At last, he gained the platform and proceeded to speak.

His speech is not likely to be forgotten by those who heard it. It was the severest indictment possible of Tammany Hall. He denounced the methods of Mr. Murphy, the then Tammany leader, and his "paid attorneys," who were present and who were "trying to nullify the will of the majority of the convention." At one point, he leaned over the platform, shook his finger in the faces of Charles Francis Murphy and several of the leading Tammany delegates, and denounced them by name for their perfidy.

Bryan was at his best. His voice rang like a bell and the scathing arraignments he handed the New York machine undoubtedly swayed the convention away from the Tammany influence as nothing else could have done. A powerful orator seized the right occasion and with knowledge of his facts did not hesitate to hurl them in the faces of those he considered enemies to right principles.

Some years later, Mr. Bryan was met in a Pullman car traveling from Washington. He was immersed in reading proofs and checking manuscript, which were piled high on the seat opposite. An officer of the MANUFACTURERS RECORD paused long enough to say to him: "Mr. Bryan, several years have gone by since the Democratic convention in Baltimore, in 1912, but the thought has ever been in mind to congratulate

you for your very courageous course in attacking Tammany Hall as you did when the cards of the convention seemed stacked against you, and undoubtedly you were almost alone when you took the stand to explain your vote and used the occasion to decry the methods Murphy and his cohorts were pursuing." Mr. Bryan insisted his task was a very simple one because, said he, "You see, I had all the facts. Mr. Murphy and the others knew I had the facts. So, as it was by no means a matter of embarrassment for me to speak from a platform, I had only to state the facts to carry my point."

If he had not stated the facts and if conviction had not been carried to the majority of the delegates by the way he stated them, it is very probable the results in Baltimore in 1912, when Woodrow Wilson was nominated, would have been different.

Never in history has a political gathering ultimately exercised such worldwide effect as the Democratic National Convention in Baltimore in June and July, 1912. Probably, never in any convention has such a dramatic scene been enacted as when William J. Bryan crushed under the Democratic party's heel the most ambitious political organization that sought and still seeks to control the Nation.

"This is the greatest revolution ever witnessed by the Democratic party," said the Baltimore Sun in an article describing the political deathgrip of Bryan and Tammany Hall.

By successive steps, Tammany Hall had spread out from New York City—now, the Borough of Manhattan—and had laid its strangling hold on Brooklyn, and then on the entire State. In 1912, it determined to seize political control of the Nation through the White House. By chance, the most available Presidential aspirant for its purpose was Champ Clark of Missouri, the venerable Speaker of the House of Representatives, and behind him Tammany centered its offensive. But, William Jennings Bryan stood in the way, and the Baltimore Sun, June 30, of that year, thus described the situation:

"The battle which started yesterday when William J. Bryan declared that no candidate could afford to be nominated with the 90 votes of New York means a fight to the death between Bryan and Charles F. Murphy of New York for control of the Democratic party.

"Two weeks ago, Murphy declared war on Bryan and started the battle to drive him out of the Democratic fold for all time. Yesterday, Bryan turned his guns directly on Murphy and now it is the Nebraskan who is trying to drive Murphy out of the party. * * * There can be no compromise, no quarter, no truce until one of them is dead in

national politics. * * * It is the greatest revolution ever witnessed by the Democratic party.

"That block of 90 votes which Murphy controls has been a potent factor in every national convention in the history of the party. It is the hub of the famous 'hog combine,' composed of New York, Indiana, Illinois and Connecticut. Croker, now retired to Ireland, was master of many conventions, heading that combine. * * *

"Bryan has made the direct issue of putting Murphy out of the Democratic party. If he does it, Murphy will still be boss of New York, until a stronger man comes and takes the lead away from him, but Murphy and his 90 votes will not be a factor in national politics if Bryan can win this time. Murphy can hurt the ticket in the national campaign by throwing or attempting to throw New York into the Republican column."

Right here, it may be noted that in the general election of 1912, Woodrow Wilson in New York fell 189,974 votes below the combined votes of Taft and Roosevelt, and ran only 200,047 votes ahead of Taft, out of an aggregate of 1,500,924 votes cast in the State. That Woodrow Wilson was knifed by Tammany has been almost universally proclaimed ever since, and we believe never denied.

Seated in an aisle chair, in the huge Fifth Regiment armory, Murphy headed the New York delegation—the Tammany Old Guard, of 90 votes. At his elbow was August Belmont, a New York banker, and beside them Bryan saw the wraiths of Thomas F. Ryan and J. P. Morgan and other leaders of the group with which Tammany delights to do business.

For 13 ballots, the convention moved along, with Clark well in the lead, but unable to obtain the necessary two-thirds for the nomination. The thirteenth ballot, for instance, stood: Clark, 554, Wilson, 356½; Underwood, 115½; balance, scattered. Aware that Tammany was utilizing every minute to gather recruits for its cause, Bryan opened his crusade in the course of the fourteenth ballot, when he arose to explain his vote. As described in the Baltimore Sun:

"William J. Bryan served notice upon the Democratic National Convention yesterday afternoon that if the power lay within him he would prevent the nomination of any candidate for the Presidency who received the 90 votes from New York. He declared that such a nomination would be a surrender by the candidate to the predatory interests represented by J. P. Morgan, Thomas F. Ryan and August Belmont.

"The sensational incident came in the midst of the fourteenth ballot. It came after it was shown that the long recess had resulted in no plan for the immediate breaking of the deadlock and after it had become apparent that the New Yorkers meant to support Speaker Clark until it was determined positively that he could not win. For the third time since the convention assembled in this city, Colonel Bryan occupied the center of the stage. * * * This spectacular move was made amid scenes of the greatest excitement. It came when a division was forced in the Nebraska delegation and resulted in the most dramatic controversy yet witnessed on the floor of that body. With vehemence, delegation after delegation assailed the party loyalty and the political integrity of the Commoner, and with a force and brilliancy that finally drove all questioners to cover the Nebraskan met all comers.

"Before this was ended, Colonel Bryan had mercilessly attacked the New York delegation as a band of puppets in the hands of Murphy; he had made another assault upon Morgan, Ryan and Belmont, and had then made a picturesque defense of his own Democracy."

On Nebraska being reached in the fourteenth rollcall, Bryan climbed on his chair to explain his vote, and pandemonium developed. Shouts of protest and encouragement shook the roof, but over the uproar Bryan was heard to begin.

"As long as New York's 90 votes are recorded for Mr. Clark, I withhold my vote and cast it for," cried Mr. Bryan, but got no further.

The uproar neared the proportions of a riot and Bryan made for the platform, which finally he managed to mount,

and consent that he speak was given. He held the stage for nearly an hour. In part, he said, as reported by the Baltimore Sun:

"The vote of the State of New York in this convention, as cast under the unit rule, does not represent the intelligence, the virtue, the Democracy or the patriotism of the 90 men who are here. It represents the will of one man—Charles F. Murphy, and he represents the influences that dominated the Republican convention at Chicago and are trying to dominate this convention.

"If we nominate a candidate under conditions that enable these influences to say to our candidate, 'Remember now thy creator,' we cannot hope to appeal to the progressive Democrats and Republicans of the Nation. * * * Speaking for myself and for any of the delegates who may decide to join me, I withhold my vote from Mr. Clark as long as New York's vote is recorded for him. * * *

"If we nominate a candidate who is under no obligation to these interests which speak through Mr. Murphy, I shall offer a resolution authorizing and directing the Presidential candidate to select a campaign committee to manage the campaign, in order that he may not be compelled to suffer the humiliation and act under the embarrassment that I have had in having men participate in the management of the campaign who had no sympathy with the party's aims and in whose Democracy the general public has no confidence."

No more direct charge of party disloyalty, verging on treason, could have been made against Tammany Hall than Bryan's reminder of the manner in which he, as the Democratic candidate, had been betrayed by the New York Democracy on more than one occasion.

Asked specifically by Governor Brewer of Mississippi if he would or would not support a candidate named by a two-thirds vote with New York's included, Bryan answered: "I do not expect anyone to be nominated who would permit a partnership between himself and J. P. Morgan, T. F. Ryan and August Belmont."

Stoic and self-controlled as he was by nature and self-training, Murphy hardly could restrain his feelings. To the ordinary run of denunciation and defiance he was impervious; but, the direct assault by Bryan, backed as it was by fact, came near to upsetting Murphy's Spartan composure.

Not content with his Democratic attack on Tammany Hall in the convention, Bryan reinforced it the following evening in a statement to the Baltimore Sun, in which he said:

"If Mr. Murphy furnishes the votes necessary to carry a candidate across the line and give him this position of distinguished honor and importance, the candidate who accepts the nomination under these circumstances puts himself under obligations to Mr. Murphy and to the influences which speak through and control him, and I contend that a candidate so obliged would not appeal to the confidence of the public and would not, if successful at the election, be free to serve the public with singleness of purpose. * * * Those who believe that the candidate should welcome Mr. Murphy's support must be prepared to repeal the Bible and overthrow our system of jurisprudence."

How Bryan thus broke Tammany's grip on the convention and prevented it from obtaining control of the Government of the United States is a matter of history. Governor Wilson from New Jersey telegraphed William F. McCombs, his campaign manager, to withdraw his name—and McCombs tore up the telegram and mentioned it to no one. "Gosh! I wish I had got that message," said "Boss" Nugent of New Jersey, later—a close friend of Tammany Hall. At the close of the forty-sixth ballot, Senator Ollie James, the chairman, at 3.22 P. M., July 2, announced: Wilson, 990; Clark, 84; Harmon, 12. Tammany was beaten and the Democratic party and the Nation were saved from its clutches.

Convinced that Wilson's nomination was a foregone conclusion in 1916 and that Harding's election was assured in 1920, Tammany made no open effort in those years to foist its favorite on the Democratic party, but in 1924, with the convention in New York City, almost around the corner from the Wigwam, it entered the opening wedge by obtaining wide-

spread and sympathetic publicity for Governor Smith—its tool throughout his public career. Then, for four years it worked unceasingly to pave the way for Smith's nomination this year, and it has attained its end.

Divine Providence appears to have put Bryan in the forefront against Tammany in 1912. No one who trusts in Providence will doubt that it will prevent the seizure of the Nation by Tammany in 1928, through its leader and figure-head and tool.

Had there been in the Houston convention men of such backbone and power as Bryan had, Tammany would again have been beaten, but although many of the delegates were as bitterly opposed to Tammany as was Bryan they cowered before the lash of the Tiger's tail and slunk away defeated. But let us reverently thank God that millions of the people of the South have backbone and are showing to some of the weak-kneed, spineless politicians, the moral courage which most of the politicians lack.

COERCING THE FREE AMERICAN PRESS.

BY no means an uninteresting sidelight on political pressure on the press is given in an article in the North American Review, sketching Mrs. Belle Moskowitz, "to whom, more than to anyone else, Governor Smith owes his selection as his party's standard-bearer," says Denis Tilden Lynch, author of the article. Mr. Lynch is described by the magazine as "a veteran political reporter." Says the article:

"Mrs. Moskowitz has been of incalculable value in winning the support of anti-Tammany papers. Editorials in these dailies sounding the praises of the Governor between campaigns are largely due to her missionary work.

"And she boasts that her word is all-powerful with certain editors. One day last winter there appeared a story wherein Mrs. Moskowitz was mentioned in a way that did not please her. Let us call the paper The Clarion.

"Who framed me up in The Clarion this morning?" asked Mrs. Moskowitz of three political reporters who were talking with her.

"There was no secret as to the authorship of the story—I will mask the name with 'Eddie Jones.'

"Well, Eddie Jones had better remember that I got to him when he was in Albany," said Mrs. Moskowitz.

"Eddie Jones' had been removed from the field of politics by a sometime managing editor of his paper, and it was common talk in metropolitan newspaper circles that stories he had written from Albany, all true and amply documented, had displeased Governor Smith, and that Tammany influences had effected his demotion."

Such an article casts severe, and in many cases probably undeserved, suspicion on the honesty and sincerity of newspapers supporting Governor Smith, particularly such as may seem to have been converted reluctantly to his cause. Such coercion by any politician or his representative is a restraint on the freedom of the press, just as much as is the most severe censorship. Such a boast of newspaper control is a challenge to the press of the Nation and to the people who repose confidence in the press.

This disclosure of intimidation of newspaper men, of punishment for such as offend politicians and of the exercise of improper influence is one of the most amazing and disquieting things that have come out in all the campaign.

LET IT TURN HIS FEET AS WELL AS HIS MIND.

WILBUR F. WAKEMAN, for many years secretary of the American Protective Tariff League, writing from Yarmouth, Nova Scotia, about the recent paper prepared by the editor of the MANUFACTURERS RECORD on the progress of the South, says:

"Your paper for the round table of the Institute of Public Affairs of the University of Virginia almost turns a man's head from the North to the South. Congratulations!"

THE FLORIDA STORM.

FOLLOWING the West Indian hurricane, some of the newspapers of the country were filled with exaggerated, scare headlines as to the great loss of life and property destruction in Florida. On the other hand, some reports tended to minimize the effects. Both extremes reflected on Florida—the first discrediting the State and the other hindering the work of the Red Cross and other agencies and individuals who have been doing heroic work to aid those in distress in the affected districts. It was only a narrow strip of the southeastern part of Florida which felt the full force of the tropical storm, as centered in Palm Beach and in the regions to the north and west, extending to Lake Okeechobee, including the eastern and part of the southern shores of the Lake, where the heaviest loss of life occurred, while Palm Beach and West Palm Beach, being the most highly developed part of the area, had the greatest property damage. With the exception of the limited area mentioned, only relative minor damage was reported in other communities as the storm, gradually diminishing in force, swept northward even as far as New England, but from the accounts of many newspapers throughout the country one would gather that the whole of Florida was wrecked. In last week's issue of the MANUFACTURERS RECORD the details of the damage in the storm area were given.

Robert L. Kane of Asheville, N. C., in a letter commenting on the Florida situation offers some suggestions well worth emphasizing. He writes:

"The MANUFACTURERS RECORD has always expressed what I consider a genuine admiration, understanding and sympathy toward Florida. In this connection, I am hoping you will find occasion to comment on the results of the recent storm there. It seems to me that there is a great deal published under the guise of sympathy which misrepresents conditions and does harm.

"I know, of course, that there has been considerable damage and suffering, but it is not ruinous or beyond repair. I have spoken to people who have recently returned from Florida. They have told me that most of the destruction is confined to flimsy and improperly constructed buildings which have been set on top of the ground and without proper foundation or wind bracing; in other words, literally 'built upon the sands,' and not necessarily built by Floridians.

"In my opinion, sympathy is best expressed by setting forth the State's advantages and in time of need contributing the aid and comfort possible, and not by exploiting the distress and proclaiming in large type that the entire State is ruined and further threatened with pestilence.

"There is bound to be a severe storm occasionally in such a climate, but it does not ruin the whole State any more than the recent storm at Rockford ruined the State of Illinois or some of our high water has ruined North Carolina. I have not seen any screaming headlines proclaiming ruin and pestilence either in Illinois or here.

"I have not been in Florida for three years and have no interests there, but I would like to know if you think there is a real active propaganda to discredit Florida. The least one can say is that it is bad taste, even toward a distant neighbor."

To one who is familiar with Florida's development in the last decade, and its possibilities, it would seem that the newspapers of some sections do try to create an adverse impression in the minds of the public. Now that the storm is past one wonders why newspapers outside of Florida do not give equal emphasis to the heroic work of those who went to the succor of the storm area and to the spirit of initiative and energy with which rehabilitation and reconstruction were begun almost immediately.

HOOVER DOES NOT DRINK INTOXICANTS.

SCANDAL mongers and "Whispering Willies" have been extremely busy in this campaign. One, if he will listen, can hear almost anything of a debasing nature being told against leading candidates of both parties. It has remained, however, for a United States Senator to give public voice to statements which he admits he was only passing on, since he was not a principal in the incidents.

Still prone to that inaccuracy of utterance which he has displayed more than once in his public career, Senator William Cabell Bruce, of Maryland, in a public speech recently quoted a certain lawyer as saying that this lawyer had "had the pleasure of taking drinks" with Herbert Hoover in Washington. Further, Bruce said that "it is a well known fact that Senator Curtis on one occasion was seen at the Pimlico race track with a bottle of whiskey in his overcoat pocket."

To which George Akerson, assistant to Mr. Hoover, replied:

"As a matter of fact, Mr. Hoover never has met this lawyer in his life and doesn't know him. Consequently, he hardly could have taken a drink with him. Also, as a matter of fact, Mr. Hoover has not taken a single drink of intoxicating liquor since he became a constitutional executive officer of the United States and never has had a drop of liquor served at his home."

And the lawyer in question, when queried on Bruce's assertion, is quoted as having denied that he made such a statement.

Said Senator Curtis, according to the Associated Press:

"I never have had a glass of whiskey or a bottle of liquor in my possession."

Whereat, Galen L. Tait, chairman of the Maryland Republican Committee, suggested that "Senator Bruce should make a complete public withdrawal and apologize for his statement"—a suggestion which Bruce sidestepped and did not accept.

The recklessness, not to say inaccuracy, of some of Senator Bruce's statements has been conspicuous in the past. For instance, speaking of Prohibition, in March, 1926, he said:

"One half of the population of the United States will be in jail and the other half will be drunk, with nobody to take care of the States at all."

But as Senator M. M. Neely of West Virginia, also a Democrat, said on the floor in the spring of 1926:

"The Senator (Bruce) will have an opportunity in his own time to talk on and on and on, as he has talked for the last four or five days, to the entire satisfaction of himself and the unspeakable distress of everybody else."

It is a well known fact in Maryland that Senator Bruce is obsessed by opposition to the Eighteenth Amendment and the Enforcement law. In the Senate and outside, he fights—or, rather, talks—for restoration of liquor. The people of Maryland know Senator Bruce and the weight of his words.

For any man recklessly to make charges against a candidate for President of the United States, without first investigating their truth, is inexcusable. For any man recklessly to make charges against a candidate for Vice-President of the United States, without assuring himself of their truth, is not a practice among honorable men. For any man to decline to make the amende honorable when shown the error of his utterance about another man, falls far, far short of the standard of honor established in Virginia, Senator Bruce's native State, and Senator Bruce prides himself on his ancestry.

ITS THRILLING POWER.

DR. J. L. CAMPBELL of Carson and Newman College, Jefferson City, Tenn., in a letter to the MANUFACTURERS RECORD writes:

"With all my heart and soul I want to thank you for sending me the MANUFACTURERS RECORD. I knew nothing about the South until I began to read its pages. It thrills me

and inspires me as I realize something of what is going on in our beloved South land."

This is the way the MANUFACTURERS RECORD impresses those who have not in former years been in full touch with the work it is doing and the information it has been giving in regard to the progress and resources of the South.

INCREASING USE OF STAINLESS STEEL AND IRON.

PROGRESS is reported in the application of stainless steel and iron manufacture of various products and their use in industry generally. Each year shows in both these commodities a substantial gain in the tonnage used. Especially is the increase notable in the chemical industry. The duPont Company and the Atmospheric Nitrogen Corporation are using hundreds of tons annually in nitric acid equipment. Satisfactory increases are reported in the manufacture and distribution of such articles as carpenters' tools, steel tape, kitchen utensils, dairy equipment, golf clubs, etc.

Other lines offer possibilities for wider use of stainless and rustless steel products, particularly the automobile industry, although the keen competition among automobile manufacturers has in the past retarded progress in this direction. Low cost ideas dominated for some time, but the present trend is to stress better and more lasting qualities in motor vehicles.

GROWTH OF SOUTHERN DAIRYING.

GREAT strides of the Southern States in an important phase of development are to be emphasized at the National Dairy Exposition at Memphis, October 13 to 20, which is expected to attract as visitors literally thousands of farmers and manufacturers from other dairying belts of the Nation. The dairy industry of America is estimated to have a farm value of approximately \$2,500,000,000. From a point of virtual obscurity, the 16 Southern States have grown in 15 years to an estimated farm value of dairy products of \$275,000,000, with notable progress now under way.

In coming to the South for the second consecutive time, dairymen of the Nation will have opportunity again to see and to study at first hand the section of America that has the greatest natural advantages for dairying—a section that is developing more rapidly in agriculture than all others. Dairy money is pouring southward at a rapid rate. For instance, J. L. Kraft, president of the Kraft-Phenix Cheese Company, says:

"Instead of writing 60,000 checks each month, our concern is ready to write 60 times that amount, if it is necessary to supply the demand the South may create. And when I vision this great and permanent prosperity for the South through dairying, I am not gazing through rose-colored glasses; I see it by the light of past experiences. Our company in one year will write more than 60,000 checks to Southern farmers and these checks, whether for \$10 or \$100 each, will add to the sum total of the wealth of the South millions of dollars of new revenue. They will give the farmers new confidence. They will improve conditions and make possible greater herds and the development of a higher type of cattle. Field crops will be bigger and better due to fertilization from increasing herds, and thus land values will double. This is what the industry in the magic South is doing now, and it is only in its infancy."

The selection of a Southern city for the second successive time for the great national dairy exposition, is further recognition of the South as the great source of national dairy products.

THE PEOPLE OF THE UNITED STATES WILL NEVER TURN BACKWARD.

AT last, the people of the United States know definitely where Governor Smith really stands on the Prohibition question. By his own public statement at Milwaukee last week, he would so modify the Eighteenth Amendment as to make legal the sale of intoxicating beverages throughout the country. In one breath he says he believes in temperance and in the next he would open to the public free and easy access to liquor. For, did he not say to his Milwaukee audience and to millions of radio listeners:

"I first recommend that the Volstead Act be amended so as to give us a sensible, clear definition of the status of what constitutes an intoxicating beverage. * * *

"I firmly recommend an amendment to the Eighteenth Amendment that, after the Federal Government has fixed, with medical and scientific advice, a reasonable alcoholic content, the rest of the States in the Union be free to legislate for themselves always within that maximum so fixed by Congress. * * *

"The Eighteenth Amendment could be so worded as to permit a sovereign state to supply liquor to its own inhabitants.

"I would feel it my duty to recommend that the Eighteenth Amendment be amended in the manner that I mentioned in my speech of acceptance, and as I have indicated here tonight."

Yet, Governor Smith, after asserting the foregoing, has the effrontery to say: "If I should take the oath of office as President to sustain the Constitution and laws of the United States, I will keep that oath." How can he strictly enforce the existing Prohibition law when on the other hand he "feels it his duty" to advocate modification, or recommend changes that amount to nullification of that law now written into the Constitution of the United States? We do not believe that Governor Smith is super-human.

Prefacing his recommendations as to Prohibition, at the Milwaukee meeting, Governor Smith told his hearers that Prohibition was "a war measure"; he told them that old chestnut, "we have never had Prohibition"; he retailed the stock phrase of the wets that "there is more drinking now than before Prohibition," and so on ad infinitum.

One wonders how Governor Smith can stand before a great audience, even if it be composed of people inhabiting one of the great strongholds of the wets, as he himself comes from another wet center, countrywide in scope, through the aid of the radio and peddle such hokum. Governor Smith knows, as everyone who has studied conditions at all knows, that Prohibition was the culmination of more than 50 years of effort to drive out the liquor evil from the United States. This mighty reform movement had been gathering momentum from community and county local option days to state-wide restrictions, until practically all had approved Prohibition before the enactment of the national law. Under local option and state-wide Prohibition, benefit was secured, but the laws were hampered because the remaining States not under regulations were shipping liquor into the Prohibition areas. In this connection, Governor Smith in his advocacy of State Prohibition would have us take a backward step in this greatest of social movements in the world's history, and Gov-

ernor Smith on all occasions loudly prides himself on his progressiveness.

Furthermore, he would have the United States adopt the license plan similar to that in Canada, which competent observers show to be a failure in eradicating the drinking evil. Conditions are reported to be worse under the Canadian plan than under Prohibition, and yet Governor Smith would have us adopt that method of dealing with the liquor traffic. All forms of partial regulation have failed even to measure up to the situation we now face in lax enforcement.

The chief Roman Catholic organ of Quebec says that the Government, by putting its seal of approval upon drinking under the Canada Control law, has almost annihilated the work of that Church after years of teaching temperance and sobriety, and Governor Smith would substitute such a law for the Eighteenth Amendment. He would have us go back to the licensed sale of liquor and, as everyone knows from experience, except the present generation who have just become of voting age and the inhabitants of the States which never had liquor control laws, that only transferred the liquor trade to the Government rather than to individuals.

As to "more drinking now than before Prohibition became effective," surely Governor Smith knows that thinking men cannot be misled by such a bald assertion. If, as Governor Smith says, there is more drinking under Prohibition, when every maker and seller of liquor is breaking the law of the land and when buyers have to procure their illegal supply secretly and by devious ways, by what logic or reasoning can he openly advocate any plan which would make the supply available to all through the licensed sale, it matters not in what limitation of quantity or how it is dispensed? Under the licensed saloon, under state control, there were moonshiners and bootleggers; minors could purchase liquor even more freely than it can be secured now (for the temptation was openly before them), when now liquor can be secured only on the sly after contact is established with the roving bootlegger. Following Governor Smith's same line of reasoning, would he recommend the licensed sale of dope and all narcotics, now under prohibitory laws, because they are bootlegged?

In the past several weeks, the MANUFACTURERS RECORD has published a series of articles on "Drinking Habits of Men and Women Before Prohibition." They cover only an infinitesimal part of the record under the licensed manufacture and sale of liquor. Let him get the testimony of great industrialists of the country who from actual experience in their own plants know that their employes are more sober and more efficient and more reliable and have accumulated greater wealth than before Prohibition. Let him get the record of charity and welfare organizations on how the drink evil was practically the sole cause for poverty stricken families and even whole neighborhoods. Let him reflect that in the days of the licensed sale of liquor, with the open saloon practically on every business corner and scattered through the blocks of some business sections and in the residence sections of the big cities, there were scenes of mass drinking which the bootleggers of the land could not supply if all that have engaged in the illegal trade since the enactment of the law were on the job. Let him remember the days of the cabaret and the city and shore resorts of some 10 or a dozen years back, where daily there gathered the youth of the land drinking and carousing with any sort of intoxicating liquor available for the price in any quantity that could be consumed. For every dozen drinkers today, there were hundreds then, and they did it openly.

No, Governor Smith; we who passed our youth and young manhood in those days cannot forget those sights of intoxicated men and women, boys and girls found around such places; where in the larger cities at any time, day or night, were to be found persons under the influence of liquor on the

public street, around the open saloon, in the gutter and hauled away by the patrol load when they became too noisy or incapable of walking. In some sections of the cities, one could see numbers of drunks, and the sight was so commonplace it occasioned only scattered comment. Now, when one sees a person drunk on the street, it is so unusual that it immediately becomes almost a sensation. In country towns, especially on Saturday night, before Prohibition the public streets and highways contained many under the influence of liquor. Today, when any drinking is done it is done on the sly and both the buyer and seller hide out.

The generation now becoming of voting age has no personal recollection of the open saloon days and licensed "control" of liquor. If they are made to believe that the drinking going on now is so bad, what would they have thought of conditions before National Prohibition?

No one believes that conditions are perfect now under present methods of enforcement. There is room for great improvement, and in your own State of New York conditions would be better if the great State which you head had not played its part in helping to nullify the National Prohibition law by refusing to co-operate with the Federal Government in stamping out the sale of liquor throughout the United States. Lincoln said this country cannot live half free and half slave. This country, as it has proved, will not let a few States despoil the manhood of the others by shipping liquor into Prohibition territory.

Governor Smith claims to be a great champion of Democracy; then, surely, he believes in majority rule. Governor Smith, the will of the majority has spoken in the Eighteenth Amendment to abolish liquor for beverage purposes in the United States and this same majority will not allow a nullification situation to develop in our Federal Government.

Better Prohibition enforcement can be had only through those who in high places are in sympathy with the law. By Governor Smith's own utterance, under which he has overthrown the Democratic platform on Prohibition, he advocates modification of the Eighteenth Amendment. The people of the United States will never turn backward.

THE NATION AWAKENING TO TARIFF CONSCIENTIOUSNESS.

SCOTT THOMPSON, vice-president and manager of the Louisiana Portland Cement Company, New Orleans, in a letter heartily commending the work of the MANUFACTURERS RECORD in behalf of a tariff on cement, which as our readers know comes in from Europe free from all duty to the great disadvantage of American cement makers, writes:

"We wish to express our thanks and appreciation of your recognition of the conditions being imposed upon American manufacturers by the admittance of duty free merchandize made by cheap European labor.

"Your far-sighted policy, as expressed in the editorials appearing in the MANUFACTURERS RECORD, no doubt was of assistance in bringing the two major political parties to the conclusion that the America people are really awakening to a tariff conscientiousness as a Nation and not in segregated groups as heretofore.

"It is to be hoped that intelligent action will now be taken by the new Congress at the earliest practicable date as various industries are in immediate need of assistance.

"Sincere wishes for your continued success."

THE MORE HE TALKS THE LESS HE SAYS.

THE more Governor Smith talks in his campaign, the more thoroughly he shows his unfitness for the Presidency. His recent speeches must have amazed and saddened every honest supporter.

Alabama's Industrial Survey in Progress.

By DR. JOSEPH HYDE PRATT, Chapel Hill, N. C.

The industrial survey of Alabama now under way was authorized by the general assembly of Alabama and an appropriation was made to defray a portion of the cost. After investigation, I believe that this survey will be the most complete and efficient ever made in the country. The survey is under the direction of the Alabama Industrial Development Board, of which Governor Bibb Graves is chairman ex officio. The members of the board were appointed by Governor Graves and all are representative industrial and financial leaders of the State. Theodore Swann, vice-chairman, is president of the Federal Phosphorous Company, Anniston; Thomas W. Martin is president of the Alabama Power Company, Birmingham; George Gordon Crawford is president of the Tennessee Coal, Iron & Railroad Company, Birmingham; Benjamin Russell is a cotton manufacturer of Alexander City, and Lindley C. Morton is a capitalist and cement manufacturer of Birmingham. These are the members of the board; in appointing them no political preference was shown by the Governor. Thad Holt, of Birmingham, has been selected as director of the board. Dr. James S. Thomas, Director of Extension, University of Alabama, Tuscaloosa, has been appointed field secretary.

The board has obtained the hearty co-operation of every State department; these departments are furnishing accurate data on the natural resources, health conditions; educational facilities and transportation facilities of the State. By reason of its personnel the Board is able to secure assistance and co-operation from the various industrial interests of Alabama. It will take a year or more to complete the survey, as the plan is to make it of such accuracy and in such detail that it will be possible for an industrial and economic engineer to go over the report in a New York office and decide almost conclusively whether such and such a locality will be suitable for an industrial plant.

At the fourth meeting of the Southern Appalachian Power Conference to be held at Atlanta, October 8 to 10, Governor Graves is expected to make a talk on what he considers will be the value of this survey to the State of Alabama.

Maritime Demand for Copper.

Prediction that development of the United States merchant marine will create a great maritime demand for copper is expressed by Commodore Herbert Hartley in the October bulletin of the Copper and Brass Research Association. According to Commodore Hartley, the fleet of four-day liners to be constructed in the United States will require approximately 16,500,000 pounds of copper. To which Lieutenant Commander A. H. Guthrie of the Brooklyn Navy Yard adds that "the amount of copper and its alloys used in a modern cruiser or battleship runs into several thousands of tons."

Virginia Geological Survey Changes.

Linwood H. Warwick, who has been chief clerk of the Virginia Geological Survey since its organization in 1908, has been appointed acting head of the Survey, with offices at the University of Virginia. Wilbur A. Nelson, who recently resigned as State Geologist, has held the joint position of State Geologist and head of the school of geology at the University of Virginia; these positions have been separated and Mr. Nelson will devote his time to his duties at the University.

Ninety per cent of all the pupils who graduated from the elementary schools of Dallas, Texas, last year entered high schools.

Arkansas Building Along Enduring Lines.

[In the following article Governor Parnell of Arkansas has given a strikingly interesting presentation of the attractions of that State and its wealth in natural resources as well as some reasons for its notable progress. In previous recent issues of the MANUFACTURERS RECORD we have published articles on the States of Tennessee, Louisiana, Maryland, Florida, Georgia, Virginia and Kentucky. We hope to hear from the Governors of every Southern State so that each State may have the story of its prosperity, its resources and its progress presented in this series of articles.—Editor MANUFACTURERS RECORD.]

By Gov. HARVEY PARNELL.



GOVERNOR PARNELL.

When one undertakes to write accurately of the attractions, resources and development of Arkansas, he is immediately embarrassed by the strange anomaly which handicaps publicists who would inform the world of the marvelous curative powers of the waters of Hot Springs National Park. Not even the local chamber of commerce has had the courage to publish reports of thousands of specific cures, for the reason that it is known in advance that the testimonials would be regarded as incredible by all

save those who have personally witnessed the apparent miracles.

It is well enough to make the broad declaration that Arkansas is an El Dorado, richer in resources and opportunities than any South American country that ever existed in fact or fable; but when we place the astonishing details in type they appear to the outsider to be tinctured with the promoter's enthusiasm or veneered with the taint of commercial advertising. For example, how would one receive the story of the poverty-stricken farmer, who never knew what it was to own a full suit of clothes, becoming a multimillionaire overnight in our oil fields? Would one readily accept the account of the man who purchased an apple orchard in northwest Arkansas for \$14,000, on terms of \$5000 cash, and sold his first crop for enough to pay for the orchard and yield him a profit of \$14,000? Would one unhesitatingly believe that the purchaser of a large tract of wooded land sold the hardwood timber for enough to pay the original cost, and that the residue is "velvet," a tract of as fine agricultural land as there is in the South? And yet these are actual cases.

The explanation of why Arkansas is a virgin field is to be found in the fact that it is only in recent years that we have been able to interest investors and obtain money for development purposes. We have now, however, overcome our difficulties, and capital is pouring into Arkansas in a golden stream. Our bonds and other public securities are meeting with ready sale at prices far above par. Still we are cautiously trying to avoid a "boom." We are building along enduring lines—from the bottom up.

We have started out by recognizing that there are three indispensable essentials to lasting prosperity: Good roads, good schools and low taxes. In 1927, our Legislature worked out a masterly solution of our road problem. A program was adopted providing for the issuance of highway notes—to be ultimately paid by a tax on gasoline and automobiles—to the amount of \$13,000,000 annually for four years. For over a year now we have been engaged in the construction of one of the finest state highway systems in the world, and at a special session of the Legislature, to be held within the next two weeks, it is proposed to increase the original appropriation by \$5,000,000. Our plan is, also, to enact legisla-

tion at the next regular session of the General Assembly in January to provide for a complete system of county roads. Our present highway law abolished the former unpopular road improvement district plan and, incidentally, relieved farm lands of approximately 40 per cent of the existing taxes, and effected a reduction of approximately 23 per cent in taxes on urban real estate. No tax is popular, but there is less objection to the present levy for road purposes than has ever been made to a revenue-producing measure. The public recognizes the justice of requiring that those who use the highways should pay for their construction and maintenance.

During the past two years there has been a marked improvement in our public school system, and during the next biennium it is our purpose to bring a high school education within convenient reach of every child in the State. We also plan to expend about \$6,000,000 in improvements at our State University.

The Legislature of 1927 created a board of seven charged with the duty of making a comprehensive and critical study of the tax laws of other States. The findings of this board will be made the subject of a downward revision of our tax laws. In addition, I recently appointed a committee of five outstanding citizens to make an industrial survey of Arkansas and to recommend ways and means for placing us on a parity with other States of comparable resources. Whatever is found necessary to be done to equalize our opportunities will be done.

In conclusion, I wish to assure the world that all's well in Arkansas; the destruction wrought by the great flood is only a memory; we are headquarters for a vast electric power system which is rapidly embracing the South, and with our varied products we challenge the competition of the nation.

Bids on \$500,000 Little Rock School.

Little Rock, Ark.—Bids will be opened October 22 by the North Little Rock Special School District, W. H. Philpps, secretary, for the erection of a \$500,000 school building of 4 stories and basement, brick and concrete construction with stone trim. Separate bids will be received on general contract, plumbing work, electric work, and heating and ventilating. George R. Mann, Wanger and King, of Little Rock, are the architects.

\$2,000,000 D. A. R. Building Let to Contract.

The Daughters of the American Revolution, Mrs. Alfred J. Brousseau, president-general, Washington, D. C., have awarded contract to the George A. Fuller Company, Washington and New York, to erect the proposed Constitution Hall in Washington. Contract for 700 tons of structural steel is said to have been awarded to Barber and Ross, Inc., Washington. Plans for the building, which have been prepared by John Russell Pope, New York, call for an auditorium to seat 4000. Among other features the structure will contain a large library. It is estimated that it will cost \$2,000,000. Mrs. Russell William Magna, Holyoke, Mass., is chairman of the finance committee.

Largest Power Plant South of St. Louis and West of Mississippi River.

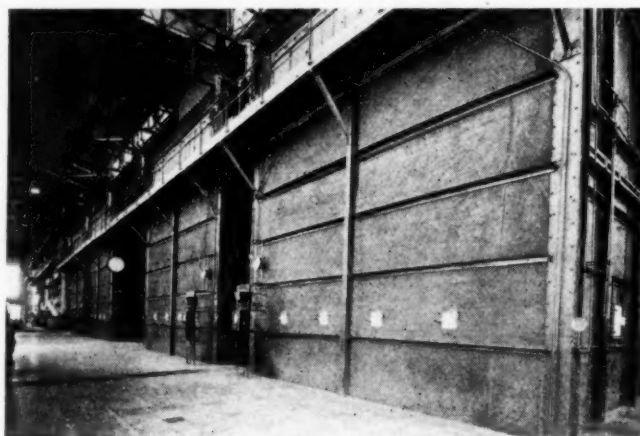
COMPLETION OF TWO UNITS GIVES CAPACITY OF 120,000 HORSEPOWER OF A TOTAL ULTIMATE DEVELOPMENT OF 200,000 HORSEPOWER.

The Louisiana Power & Light Co. recently completed the installation of two units of 40,000 horsepower capacity each at its Sterlington plant in the Louisiana natural gas fields, thereby bringing the total capacity of the station to 120,000 horsepower. It is estimated that the Sterlington plant represents an investment of \$6,000,000, the first \$2,000,000 unit having been placed in operation in November, 1925. The original plant was designed to facilitate extension to 200,000 horsepower, and additional units will be installed as need for this power develops.

The plant is tied-in with the transmission systems of the Mississippi Power & Light Co. and the Arkansas Power & Light Co. for the exchange of power with hydraulic and steam plants in Arkansas and steam plants in Mississippi. The electrical energy thus developed from water power, natural gas, oil and coal, has provided dependable power for manufacturing and other purposes in some 350 cities and towns in Arkansas, Louisiana and Mississippi.

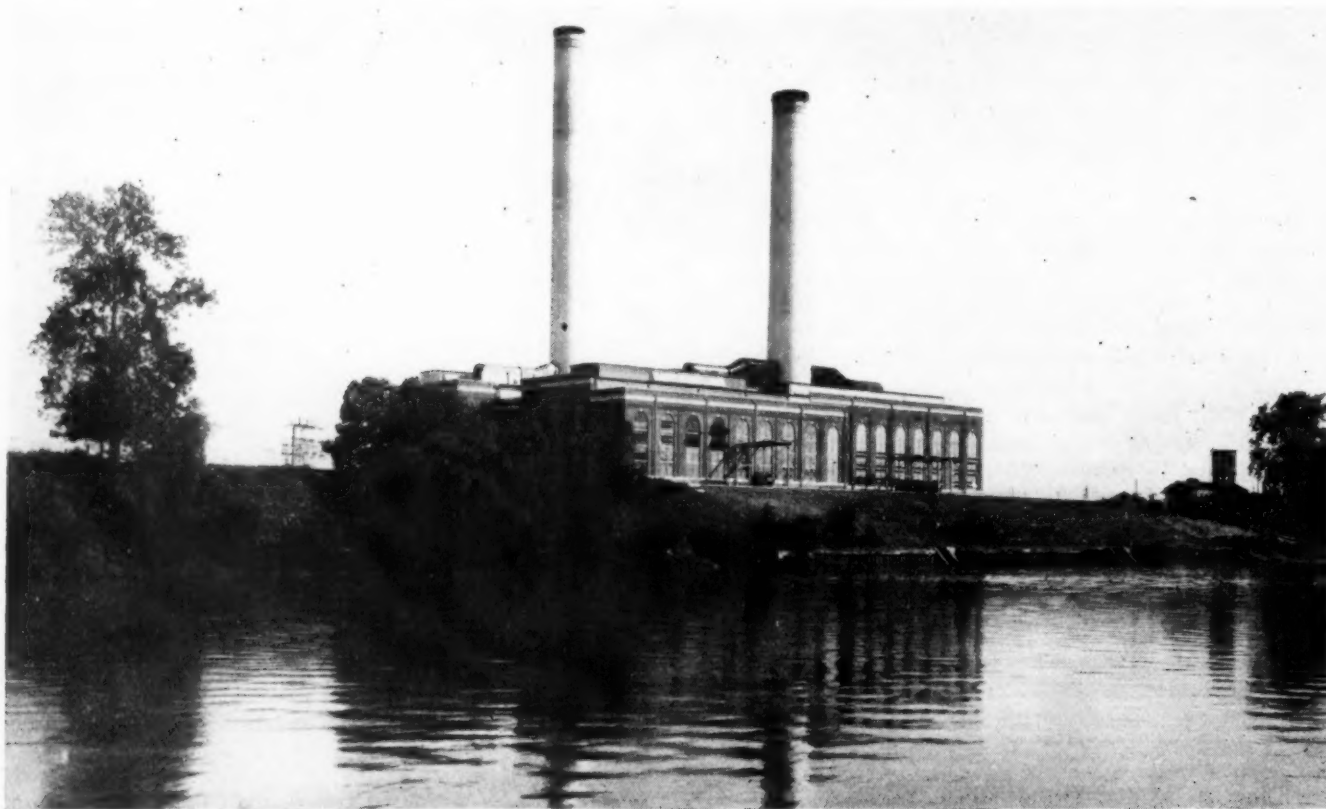
The work was started in May, 1927, and from that time until its completion was pushed day and night by a force of 250 to 350 men. To house the generating and auxiliary equipment there was erected a fireproof building of steel, with brick walls and concrete roof, 130 feet wide, 210 feet long and 65 feet high, with a basement varying in depth from 20 to 60 feet. The plant is located on the Ouachita River; because of the type of soil encountered it was necessary to drive sheet

steel piling to enclose the building site, and 20 carloads of piling were used. About 35,000 cubic yards of excavation was necessary, clamshell buckets being used. Some 9000 cubic yards of heavily reinforced concrete was placed in the floor and walls, 350 carloads of sand and gravel, 75 cars of cement

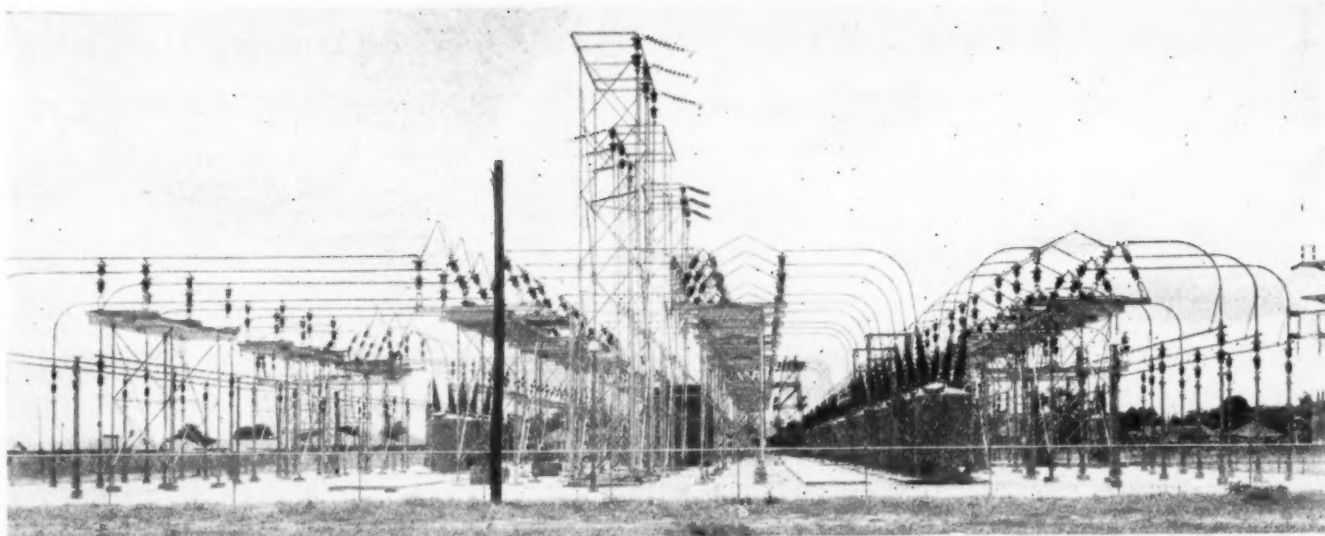


BOILER ROOM.

and 15 cars of reinforcing steel being used. The framework of the building consists of 600 tons of structural steel. An interesting feature is a concrete stack which rests upon a steel framework, anchored in a slab of reinforced concrete 48 feet in diameter and 20 feet thick, containing 1200 cubic yards



STERLINGTON PLANT OF LOUISIANA POWER & LIGHT CO. ON OUACHITA RIVER.



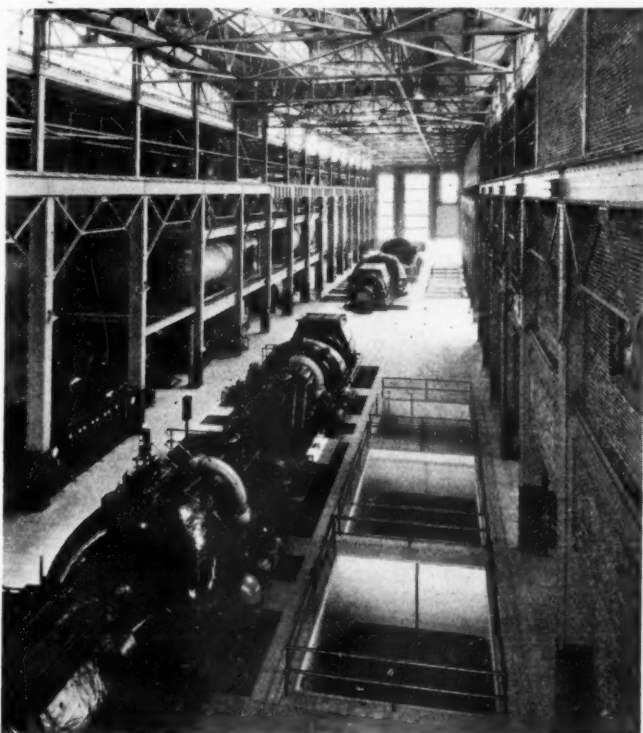
OUTDOOR SUBSTATION PLAYS IMPORTANT PART IN INTERCONNECTED TRANSMISSION SYSTEM OF THREE STATES.

of material. The stack is 250 feet high and 21 feet in diameter inside at the top.

Three new boilers, furnished by the Heine Boiler Co., St. Louis, Mo., have been installed. They are of 1500 horsepower each and operate at a pressure of 375 pounds per square inch with 250 degrees of superheat. Two General Electric turbo-generators of 30,000 kilowatts capacity each, have been installed. Just down the river from the plant is a navigation dam and lock, which will insure a sufficient supply of cooling

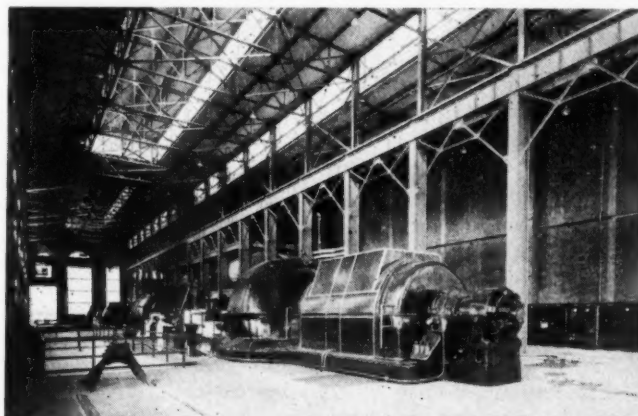
diameter and 300 feet long. The walls of the building contain more than 1,000,000 bricks. Steel sash with ribbed glass are used throughout.

The increase in the capacity of the plant necessitated the rebuilding of the transformer and switching station. Twelve



ORIGINAL INSTALLATION CONSISTED OF TWO GENERATORS OF 20,000 H.P. EACH. TWO 40,000 H.P. UNITS COMPRISE MOST RECENT INSTALLATION.

water at all times. The plant requires about 100,000,000 gallons daily, and a reinforced concrete tunnel was built from the river to a pit where the water is picked up by the pumps and delivered to the condensers. Four motor driven pumps, each with a capacity of 25,000 gallons a minute, are used. After the water has passed through the condensing system it is carried back to the river through a steel pipe 7.5 feet in



THE TURBINE ROOM.

new transformers were installed, together with necessary new switches controlled from the switchboard room hundreds of feet away. To protect the control wires more than 40 miles of galvanized iron conduit was installed.

The Sterlington plant now is said to be the largest power plant south of St. Louis and west of the Mississippi River. It is declared to be unique in that it is one of the very few power plants depending entirely on natural gas as a fuel, also in its low cost of construction per unit of capacity and in its high thermal efficiency. But while it is dependent at present on natural gas as a source of fuel, it is arranged, and provision has already been made, so that it can be quickly converted to a plant using either crude oil or coal.

Architects for Greensboro Telephone Building.

Plans for the proposed dial office building at Greensboro, N. C., to be erected by the Southern Bell Telephone and Telegraph Company, Atlanta, will be prepared by Marye, Alger and Vinour, Atlanta, according to F. M. Craft, chief engineer of the telephone company. Tentative plans provide for a 3-story and basement structure, of reinforced concrete, to be connected with the repeater building recently completed. It has not been decided when construction will be started.

Little of Florida Stricken—All Florida Rises to Help.

GREAT VOLUME OF CONSTRUCTION WORK WILL DEVELOP IN PALM BEACH SECTION.

[Special Correspondence Manufacturers Record.]

Jacksonville, Fla., September 29.

Resilience is the outstanding feature of this post-storm period. Florida as a whole is regaining its stability by reconstructing the physical damage, after caring for the dead and the destitute with the aid of the Red Cross. The State has taken account of stock during the past few days, preparatory to planning for reconstruction in the affected area.

For wind and flood confined their damage to virtually a handbreadth of the State's area. The Okeechobee region and an Atlantic Coast strip of 25 or 30 miles bore the brunt of the outburst, but the rest of the great area of 58,600 square miles was unscathed by Nature's lash. On Palm Beach and West Palm Beach fell the blow, and on the section around Lake Okeechobee. So it is that from Jacksonville down through St. Augustine and Daytona Beach almost to West Palm Beach, the damage was negligible, and from a point a few miles below West Palm Beach to Miami the East Coast was practically undisturbed. On the West Coast, from Fort Myers to Tarpon Springs not a trace of the storm was felt, and in the Ridge section little damage was done, and central Florida was hardly touched. Where the storm struck, it struck with Titanic fury, but it concentrated its wrath on a circumscribed area.

Busy in care of the casualties, in relief work and in surveying the situation, the people in the stricken sections have not yet found time to report in detail the progress they have made in rehabilitation, but such reports as have been received indicate an indomitable spirit and substantial progress.

In view of the fact that most communities were well supplied with building materials of all kinds for normal construction demands at this date, no rush orders have come in to Jacksonville for extraordinary shipments or emergency speed in delivery. No especially heavy shipments of such materials have been made to the Palm Beach district, as large stocks are reported in Tampa, Miami and other south Florida centers, while sawmills in that section could supply a tremendous amount of lumber in short order.

A letter from Leon E. Reynolds, secretary of the Miami Builders' Exchange, says:

"The Builders' Exchange of Palm Beach County reports that although many owners already are re-roofing and repairing their property, work on many of the other, larger projects, such as hotel damage, large residential work, etc., awaits the appraisal of damage before actual construction work can be undertaken. Architects interviewed in the Palm Beach territory state that many Northern owners are in town checking over their damages.

"It may be difficult for those not familiar with the havoc caused by such a storm to realize the disorder and disorganization that immediately follow such catastrophes."

And in this foregoing paragraph is given in a nutshell one of the two great reasons, almost the only two reasons, for delay in rehabilitation. First and foremost comes the care of the dead and injured and destitute, then the evolution of order out of chaos.

From Frank G. Hathaway, secretary of the Southeastern Credit Men's Association, comes word as follows:

"Thirty per cent of the merchandise stocks in the Florida hurricane zone can be salvaged, although in West Palm Beach many warehouses of wholesalers were leveled by the hurricane and their contents made inaccessible by the covering of debris.

"Retail merchants' stocks in West Palm Beach, Pompano, Delray, Lake Worth and other towns in the path of the storm were damaged heavily by both the high winds and the rain

which followed the gale. The havoc wrought by the wind was so great that no shelter could be found for the exposed goods. Property loss was extensive at Palm Beach, but the damage to merchandise cannot be great, as few business houses are located on the beach.

"Creditors on the whole are doing all they can to assist distressed merchants, and there seems little likelihood of retailers in the devastated area being unduly pressed for payments. Manufacturers and wholesalers should, and probably will, devote their attention largely to the rehabilitation of business by sound methods."

Stocks of goods in Miami suffered virtually no damage, Mr. Hathaway added, and merchants' losses at Fort Lauderdale were slight.

According to the Southern Pine Association, on completion of its first survey in the stricken area, "houses and buildings of the wood frame type, properly constructed, successfully withstood the ravages of the storm," and J. S. Farish, district manager at the Jacksonville office of the Association, adds: "I found many old wood structures, most of them built of Southern pine, absolutely undamaged in the Palm Beach area."

Notable among such buildings, Mr. Farish said, was the Roman Catholic church at West Palm Beach, a large, high-steeped, lumber building, with a roof of wood shingles, in the direct path of the storm. This church was erected in 1900 and has weathered, without damage, all storms since that date. Another structure which stood up and defied the storm was the Royal Poinciana Hotel at Palm Beach, said to be one of the largest all-wood buildings in the world.

In analyzing the losses to homes and small buildings, Mr. Farish said that in a large majority of cases the loss and damage were due to improper construction.

As J. Y. Arnold, Palm Beach, president of the Arnold Construction Company, sees the situation, a "tremendous volume" of construction work will develop in Palm Beach and West Palm Beach within a short time, and building operations will be brisk for the coming year or 15 months. This company is starting work on six substantial jobs, including: Repair of the Lytal-Pratt furniture building, repairs to the John B. Niles home, repairs to the home of Commodore Vincent Ward and repairs to the old home of Allen P. Kirby. The Kelsey City school, badly damaged, and the Riviera school also will be restored by the Arnold Company.

From other sources comes word that Palm Beach will be ready to receive the annual influx of winter residents and visitors, almost without trace of the disaster. Officials of the hotel companies conducting the Royal Poinciana and the Breakers have held conferences to arrange for the winter season, and such winter residents as E. T. Stotesbury, Philadelphia, Pa.; J. Leonard Replogle, New York; Gurney Munn, New York; Dr. and Mrs. Wiley P. Kingsley, Rome, N. Y., and Miss M. Weiler, New York, have looked over their properties in anticipation of winter occupancy.

For the people in the Lake Okeechobee region, however, immediate and generous help is imperative. Food and shelter and clothing must be provided, and work must be found for the unfortunate, to tide them along till they can find their feet.

The City Commission, Birmingham, Ala., will sell October 16 an issue of \$300,000 public improvement bonds to bear an interest rate not exceeding 4½ per cent, proceeds to be used to pay for work recently completed.

Life in Paris: A Study in Economics.

[Edwin C. Eckel, the writer of the following article, which he has headed "Life in Paris, A Study in Economics," is one of the most widely known geologists and engineers in America. He has been sent to Europe frequently to make investigations for important American financial and business interests. This letter comes from Paris and will be followed by others on conditions which Mr. Eckel finds in Europe during his present study of the economic situation there.—Editor MANUFACTURERS RECORD.]

By EDWIN C. ECKEL.

It is a bitter commentary on our current ideas about France that the title I have deliberately chosen for this letter is likely to be entirely misleading to many Americans. For in spite of its title, it will not contain anything about the Parisian underworld or the cabarets of Montmartre; and it will discuss a Paris which is of slight interest to the Cook's tourists around the Madeleine or our own compatriots at Ciro's.

If we limit our view of Paris to the comparatively small quadrilateral whose points are Louvre-Opera-Concorde-Madeleine we do have the advantage, it is true, of remaining within an area where English is spoken and American understood; and we stay in close touch with the Daily Mail, the New York-Paris Herald and the Chicago Tribune—all of which present certain points of interest. But we are apt to pretty completely overlook the fact that several millions of people live and work in this city of Paris, and that of those millions very few individuals indeed get into any serious contact with the passing stream of foreign visitors, while still fewer ever can hope to pay a return visit to these foreigners at home. So the opportunity for misunderstanding, on both sides, is very great. The Parisian laborer may conclude that all foreigners are habitually noisy, discourteous and wealthy; the foreign visitor may conclude that most of the Parisian men are sellers of obscene postcards by day, Apaches by night, and *masquereaus* always. Both judgments are very wide of the truth, but both might be reached fairly enough if we spend a summer day or two in the little foreign quadrilateral above defined.

But if we cast off prepossessions, and go over the city more broadly, we come soon enough to realize that Paris is primarily a vast and very hard-working commercial and industrial center—with perhaps more diversified industries than New York or Chicago, and with certainly a larger *native* working population than either. For the surprising feature of the matter, perhaps, is that Paris is still predominantly French; while even in my boyhood New York was hardly American, and now is merely the largest thoroughly un-American city in the world. It is true that France has a large foreign population, but the mass of these foreigners are agricultural or mine laborers, and do not reach the cities except in transit. So Paris remains primarily French; and that means that it remains hard-working and very economical.

For the permanent feature of French life, as compared to our easier lot, is the close margin on which all living is and must be conducted. This is not a new feature, and it was merely accentuated by the late war—it has *always* been the case that France was a land of no great natural resources, of no great fortunes, of low wages and small profits—but *also always of still smaller expenditures*. The accumulated wealth of France, which undoubtedly existed and still, in a measure, exists—this wealth came from centuries of steady small savings, of steady savings on an infinitesimal scale. And in the past century, when other nations saw wealth poured on them through their control of the basal supplies of coal and iron, of gold and oil, France still remained outside the lucky circle, poor in all these things of power.

You cannot make great profits if you have to buy all your raw materials from foreigners, you cannot pay high wages if your

profits are small, you cannot accumulate money by selling goods to poorly paid workmen. So the fatal cycle goes, and a country poor in natural resources is inevitably a country where pay is low and life is difficult, where one must work very hard and economize most painfully. That has been the origin of French economies in the past, and though the World War has changed the basal situation by enlarging French boundaries so as to make France a possible great steel Power, the effects of this development have not yet changed the people. So today the average Frenchman still works very long and very hard, still makes little money judged by our standards—and still spends a little less than he makes.

Anyone who has ever had reason to look for official statutes on any subject has realized that no nation furnishes such an exact and ample supply as our own, so it is not at all surprising if French official data are scanty and difficult to locate. We must assume a present Parisian population of something over 3,250,000, including all classes. My own best estimate is that 2,000,000 of these fairly fall within the laboring classes, assuming that not over 1,250,000 will cover all the foreigners, all the wealthy and middle classes, and all the shopkeepers, great and small.

If we concentrate attention on these 2,000,000 working people, who make up two-thirds the entire population of Paris, and if we consider the wage-scale of the better paid trades, we will come to the conclusion, perhaps startling to the American, that the *average* Parisian family never has an income of over three United States dollars per day *per family*. My own guess—which is frankly merely a guess—is that the average *family* income today is under, rather than over, \$800 per year.

For such an average family of four persons, the official Paris estimates permit an annual consumption per capita of the following quantities of various essential foods: Bread, 360 pounds; meat, 100 pounds; butter and lard, 20 pounds; eggs, 5 dozen; milk, 150 quarts; potatoes, 125 pounds; sugar, 10 pounds; cheese, 10 pounds; beans, 15 pounds. And of fuel and light supplies; oil, 15 quarts and fuel-alcohol 5 quarts.

If any American is interested in the question of minimum quantities on which life can be decently sustained, I will be glad to have him study the figures preceding. And if he is interested to see how the problem is met, the following retail prices in Paris during the current year may aid in the solution: Bread, 4 cents per pound; fresh beef, 16 cents per pound; butter, 40 cents per pound; eggs, 40 to 60 cents per dozen; potatoes, 1 cent to 3 cents per pound; sugar, 7 to 8 cents per pound; coffee, 40 to 50 cents per pound. Bread and potatoes are essential, all others are luxuries.

As a matter of time comparison, all the items of French living cost are now far above those of 1913-1914. And all except rent are further above that pre-war level than can be accounted for by the fall in gold value of the franc. The latest index figures are as follows, giving the percentage of costs in mid-1928 as against 1913-1914: Foods, retail costs, 544 per cent; heating and lighting, 504 per cent; rents, 275 per cent; clothing, 581 per cent; miscellaneous expenses, 590 per cent; average living costs, 519 per cent.

We who complain of high living costs should some time stop to reflect what it would mean if we had to meet such costs on foreign wage scales or incomes.

\$367,660,000 Construction Program for New Orleans and Vicinity Outlined.

FLOOD CONTROL PROJECTS WILL ENTAIL \$100,000,000 EXPENDITURE AND LAKE SHORE RECLAMATION PROJECT WILL COST \$41,000,000.

The volume of construction under way or proposed for New Orleans and vicinity as of September 15 this year will entail an expenditure of \$367,661,000, according to figures compiled by the Association of Commerce of New Orleans. This expenditure will probably be made within the next ten years although some of the work is dependent on political or other action, such as the adoption at the next general election of a \$50,000,000 bond issue for the construction of roads.

The largest item in the survey embraces proposed flood control projects to cost approximately \$100,000,000 of the \$325,000,000 appropriated by Congress for this purpose. This will include work below Red River estimated to cost \$56,800,000, and work from the Red to the Arkansas River to cost about \$67,000,000, of which about \$20,000,000 will be expended by the New Orleans office. A flood control project of primary importance and interest to New Orleans, is the Bonnet Carre Spillway to cost about \$8,200,000.

The Levee Board plans an expenditure of approximately \$41,000,000 on the Lake Shore project at New Orleans, the State to vote in November on a \$15,000,000 bond issue to finance the completion of the work. Up to this time 17,350,000 cubic yards of earth have been placed. The proposed Louisiana-Texas Intracoastal Waterway from the Mississippi to the Sabine River is estimated to cost \$9,752,000, while the Levee Board probably will expend \$2,000,000 for the construction of a levee from the river to Lake Pontchartrain. Plans have been drawn for a railroad and vehicular bridge across the Mississippi River at New Orleans for the Public Belt Railroad Commission and the State will vote in November on a \$20,000,000 bond issue for its construction. Private interests have completed plans for a \$10,000,000 bridge for vehicles and pedestrians and are now awaiting a permit from Army engineers to start construction.

The following is a summary of improvements:

FLOOD CONTROL —New Orleans office of Mississippi River Commission will direct work below Red River, estimated to cost.....	\$56,800,000
Work on one-third of work from Red River to Arkansas River, which will total about.....	\$67,000,000
Also direct work for channel stabilization.....	\$20,000,000
Major W. H. Holcombe, U. S. District Engineer, New Orleans, reports preliminary plans complete under direction of U. S. Flood Control Board for Bonnet Carre spillway, actual construction expected to be completed in three years.....	\$8,200,000
About one-third of \$325,000,000 appropriated for flood control will be expended in New Orleans district, which extends from 6 miles below Vicksburg to mouth of Mississippi River.....	\$100,000,000
BANKS —American Bank and Trust Company awarded contract to Geo. J. Glover Company, Inc., to erect 22-story building; Molise H. Goldstein, architect; cost.....	\$1,750,000
INTRACOASTAL CANAL —Louisiana-Texas Intracoastal Waterway provides for channel 9 feet deep and 100 feet wide from Mississippi River to Sabine River; estimated cost.....	\$9,752,000
BAYOU BONFOUCA —Ten-foot channel, 60 feet wide, from Slidell to deep water in Lake Pontchartrain....	\$22,000
LITTLE CAILLOU BAYOU —Five-foot channel, 40 feet wide from its head to Robinson Canal, about 20 miles.....	\$85,000
U. S. QUARANTINE STATION —Sketches being completed in office of Acting Supervising Architect, Treasury Department, Washington, for station at New Orleans; estimated cost.....	\$425,000
U. S. CUSTOM HOUSE ADDITION —Four-floor addition authorized by Congress to provide 50,000 square feet of space.....	\$150,000
DRAINAGE —Levee Board let contract to Reynolds Dredging Company for fill of lake shore, reclaiming 3000 acres between West End and Seabrook, State to	

vote in November on \$15,000,000 bond issue to finance completion; total cost.....	\$41,000,000
Reclaim 30,000 acres in St. Charles Parish above New Orleans fronting on Lake Pontchartrain; Frank T. Payne, engineer; James J. A. Fortier, president Pontchartrain Drainage District; probable cost....	\$2,500,000
Drain 29,000 acres Jefferson Parish, A. T. Dusenberry, engineer; work practically completed.....	\$2,000,000
LEVEE PROTECTION —Levee Board let preliminary contracts for upper protection of levee from river to Lake Pontchartrain.....	\$2,000,000
HIGHWAYS —Extending highway from State Capitol at Baton Rouge to New Orleans.....	\$1,000,000
Hammond-Lakeshore Scenic Highway under construction by Louisiana Highway Commission; total cost Louisiana Highway Commission has agreed to hard surface Old Spanish Trail east to Mississippi State Line through Slidell.....	\$1,500,000
BRIDGE —Public Belt Railroad Commission has plans by Ralph Modjeski, Chicago, for railroad and vehicular bridge across Mississippi River.....	\$20,000,000
Allen S. Hackett and Geo. A. Hero plan bridge across Mississippi River for vehicles and pedestrians.....	\$10,000,000
Free bridge across Chef and Rigolets passes under construction, Frederick Snare Corporation, contractor, New York City.....	\$2,000,000
Clairborne avenue bridge.....	\$75,000
PUBLIC UTILITIES —New Orleans Public Service, Inc., will probably expend in next 10 years for power, gas and transportation facilities.....	\$55,000,000
Domestic, commercial and industrial installations for natural gas.....	\$1,000,000
TELEPHONES —Southern Bell Telephone Company, J. C. Hay, district manager, plans expenditure in next 5 years of \$538,300 for lands and buildings; \$3,827,100 for central office equipment; \$2,927,000 for sub-station equipment and \$3,552,000 for exchange and toll line plant; total.....	\$10,845,000
PUBLIC WORKS —City plans from 30 to 40 miles of paving each year for next 5 years; probable cost.....	\$20,000,000
Sale of \$9,000,000 drainage bonds voted last April makes available for construction of New Orleans sewerage, water and drainage systems during next 3 years.....	\$14,700,000
Orleans Parish plans for sewerage and drainage facilities in next 7 years.....	\$14,000,000
CANAL STREET BEAUTIFICATION —City will begin within year beautification of Canal street.....	\$1,500,000
GARBAGE INCINERATORS —Contracts have been awarded to J. A. Petty & Sons and H. W. Bond & Brother to construct 3 incinerators for garbage disposal plant; incinerators from C. O. Bartlett and Snow Company, Cleveland, Ohio.....	\$1,500,000
STREET WIDENING —Dryades street widening project awaits action of Legislature.....	\$1,000,000
Common street widening project depends upon agreement with property owners.....	\$500,000
PUBLIC BUILDINGS —Favrot & Livaudais, Ltd., preparing plans for city auditorium.....	\$2,000,000
Diboll & Owen, Ltd., will soon complete plans for new criminal courts and parish prison building.....	\$1,750,000
New Orleans Association of Commerce is leading movement for produce terminal market.....	\$1,000,000
PORT —Dock Board is building section of wharf and 2 steel bridges to warehouse, Poland street wharf....	\$475,000
Completing Poydras street and Girod street wharves..	\$2,000,000
Rebuilding St. Andrew's street wharf.....	\$500,000
Completing office and shop building, foot of Canal street	\$215,000
PORT FACILITIES —Eight thousand-ton ferry, with capacity of 95 loaded freight cars being completed in Great Britain for Overseas Railroad, New Orleans....	\$700,000
Similar ferry probably soon to be ordered.....	\$700,000
Terminals being constructed at Belle Chase by Missouri Pacific Railroad, including car-loading trains, Frederick Snare Corporation, contractor.....	\$300,000
PUBLIC BELT —Public Belt Commission, Frank Joubert, secretary, plans to extend lines and improve facilities	\$1,000,000
STORAGE AND TERMINALS —General American Tank Storage and Terminal Company plans to extend liquid cargo handling plant at Good Hope.....	\$100,000
RAILROAD FACILITIES —Louisiana Public Service Commission authorized Illinois Central System to construct passenger terminal.....	\$8,000,000
Louisville and Nashville Railroad and Southern System have been authorized to build union station in vicinity of Clairborne avenue.....	\$5,000,000
Louisville and Nashville Railroad will soon begin construction of new station at Bay St. Louis, Miss....	\$70,000
INDUSTRIAL —The Celotex Company has constructed building and will install 4 new Celotex making machines.....	\$4,500,000
A. & P. Company will soon let contract for 4-story warehouse and office and coffee-roasting plant.....	\$225,000
It is estimated 50 additional A. & P. stores will be opened in New Orleans in 1928 and 1929 at a total cost of.....	\$200,000
The Chevrolet Motor Company awarded contract to	

Gervais Favrot to build warehouse and distribution depot	\$250,000
Times-Picayune Publishing Company will erect annex	\$250,000
Davison-Pick Fertilizer, Inc., will soon let contract to enlarge plant	\$200,000
Third District Ice Company acquired old Columbia brewery for ice and cold storage plant; will remodel and add story	\$190,000
Motion Picture Advertising Service having plans drawn for \$50,000 annex to plant at Tulane and Galvez streets and may erect \$100,000 studio; total	\$150,000
Paper Makers Chemical Corporation erecting industrial plant in Ames Industrial Section adjoining plant recently completed; Hooper & Picou, contractors	\$90,000
Standard Industries, Inc., will install additional machinery in laundry department and add ice factory and cold storage facilities	\$85,000
Theard and Matthews Company will build bag factory	\$60,000
Katz & Besthoff are completing drug and sundry factory, with ice-cream plant to be installed	\$60,000
Dunbar-Dukate Company will build shrimp and oyster canning plant at Slidell	\$30,000
HOSPITALS —Plans have been approved for U. S. Marine Hospital	
Appropriations will be required, probably \$650,000, for nurses' home and \$350,000 for officers' quarters	\$1,000,000
James M. Batchelor Building, 5 stories, physicians and surgeons headquarters of Presbyterian Hospital, under construction; Rathbone DeBuys, architect; Thomas H. Brockman, contractor	\$200,000
Third unit of Main Hospital building being financed by Dr. J. C. Barr	\$700,000
Children's hospital being considered for Baronne street	\$250,000
Second unit Presbyterian Hospital similar to Batchelor Building for nurses' home	\$200,000
Methodist Conference, Rev. R. H. Harper, presiding elder, considering hospital	\$1,000,000
Frank D. Costley, supervising city architect, preparing plans for 100-bed anti-tuberculosis hospital	\$500,000
Favrot & Livaudais, Ltd., preparing plans for annex and boiler plant to Charity Hospital	\$310,000
Hotel Dieu (hospital) building chapel and quarters for sisters	\$200,000
Eye, Ear, Nose and Throat Hospital plans internes' building	\$25,000
PLAYGROUNDS —Site has been obtained in Algiers and preliminary work is under way for construction of playground	
Playgrounds Commission will select site for additional playground to be donated	\$100,000
PARKS —City will vote in November on tax to establish zoo in Audubon Park	
City will add 1055 acres to City Park	\$250,000
Improvements planned for City Park	\$325,000
HOTELS —Carbajal interests plan Canal street hotel... Jung Hotel is completing 18-story annex of 350 rooms; Weiss, Dreyfous & Seiferth, architects; O. M. Gwin Construction Company, contractor	
R. P. Farnsworth and Company, New Orleans, submitted low bid for 18-story, 200-room Orleanian Hotel; Jones, Roessle & Olschner, architects	\$1,500,000
APARTMENTS —Herman Rabinovitz, builder, plans 36-apartment building, St. Charles avenue and Penniston street	
P. A. Chopin has plans by Walter Cook Keenan for 18-apartment building, Washington and St. Charles avenues	\$500,000
C. Bennette Moore has plans by Walter Cook Keenan for 14-apartment building, Napoleon avenue and Perrier street	\$100,000
COMMERCIAL —Packard Motor Car Corporation will build display room	
Menefee Motor Company awarded contract to Gervais Favrot for garage and display room; Favrot & Livaudais, Ltd., architects	\$45,000
Glenny-Buick Company will erect automobile building	\$300,000
Linn-Marlan will build garage and automobile display room	\$250,000
Firestone Tire Corporation has office structure and service station, Rampart and Toulouse streets, nearing completion; Rathbone DeBuys, architect	\$100,000
L. S. Boudreaux plans 8 or 10 story garage on site of old Lyric Theater	\$75,000
THEATERS —Gentilly Amusement Company, Warren J. Cobb, president, erect theater, Gentilly road	
INSTITUTIONS —Young Men's Christian Association is having plans drawn by Favrot & Livaudais, Ltd., for building, Lee Circle	
Young Men's Gymnastic Club ready for bids for clubhouse, Rampart street	\$35,000
Plans are being drawn by Emile Weil, Inc., for enlargement of Light House for the Blind	\$875,000
J. A. Petty & Sons, contractors, are completing Knights of Pythias building on Carondelet street; Diboll & Owen, Ltd., architects	\$300,000
SCHOOLS —McDonogh School units Nos. 2 and 3 (Colton) are nearing completion	
McDonogh School No. 19 to be started in fall	\$40,000
E. T. Merrick School to be started in fall	\$525,000
Andrew H. Wilson School annex nearing completion	\$300,000
Algiers School Board plans elementary and junior high schools	\$75,000
Valena C. Jones School under construction; Caldwell Brothers, contractors	\$500,000
McCarty School annex under construction	\$256,000
Dominican College plans rebuilding institution; A. S. Montz, architect; Alvin Fromherz, contractor, for \$180,000 residence hall	\$50,000
St. Cecelia Congregation will erect school; Theodore Brune, architect; Lionel Favrot, contractor	\$2,000,000
Jesuit College completed \$1,500,000 unit of school,	\$100,000

chapel, gymnasium and theater to be erected	\$2,250,000
UNIVERSITIES —Tulane University having plans prepared by Emile Weil, Inc., for auditorium, studio and library	
Loyola University is formulating plans for law school building	\$300,000
CHURCHES —Temple Sinai is completing building on upper St. Charles avenue; Emile Weil, Inc.; Moise H. Goldstein and Weiss, Dreyfous & Seiferth, architects	
St. Charles Presbyterian Church, Rev. J. S. Land, pastor, will complete building at State street and St. Charles avenue; W. W. Van Meter, architect-contractor	\$150,000
Church of the Immaculate Conception will erect new building; Wogan and Bernard, architects; Geo. Glover & Co., Inc., contractors	\$300,000
MISCELLANEOUS —Young Men's Business Club has proposed bond issue for airport at New Orleans	
	\$170,000
	\$350,000
	\$2,000,000

Itinerary for Texas Trip.

The itinerary for the group of New England and New York business men who will visit Texas, October 13, under the auspices of the Texas Industrial Committee, covers important sections of the State, including large cities and some of the smaller cities. The tour has been arranged so all will be able to see the greater portion of Texas during a comfortable trip.

The program: Leave New York, 1:45 P. M., Saturday, October 13; arrive St. Louis and leave, Sunday; arrive Dallas, 8:30 A. M. 15th; leave Dallas, 11 P. M. same day; arrive Houston, 7:55 A. M., 16th; leave Houston, 11:15 P. M., same day; arrive San Antonio, 7 A. M., 17th; leave San Antonio, 11:15 P. M., same day; arrive Austin, 1:30 A. M., Thursday, 18th; leave Austin, 11:30 A. M., same day; arrive Waco, 2:20 P. M., 18th; leave Waco, 8:20 P. M., same day; arrive Cisco, 2:25 A. M., 19th; leave Cisco, 2:40 A. M., same day; arrive Abilene, 4:35 A. M., 19th; leave Abilene, 1:15 P. M., same day; arrive Fort Worth, 6:25 P. M., 19th; leave Fort Worth, 1:40 P. M., 20th; arrive St. Louis, 8:05 A. M., 21st; leave St. Louis, 9 A. M., 21st; arrive New York, 9:50 A. M., 22nd.

Opportunities at Andalusia, Ala.

Advantages and attractions of Andalusia, Ala., as a location for a good hotel and for manufacturing industries are set forth by the Junior Chamber of Commerce of that city in a letter to the MANUFACTURERS RECORD from M. D. Taylor, president. W. D. Gantt and F. H. Buck are vice-presidents and W. Y. Walton is secretary-treasurer.

All textile manufacturers are exempt from taxation, says Mr. Taylor, and also all manufactured products fabricated from any raw material coming from within the State are exempt for a year in storeroom or warehouse. Factory sites of reasonable size will be provided free to desirable newcomers.

"Our water supply is as good as any in the State—deep artesian well water," Mr. Taylor adds, "and there are two large hydro-electric plants and several steam plants, thus assuring constant service at all times."

Adequate railroad service and good freight facilities are pictured by Mr. Taylor, and bus and truck service also is in operation.

Mr. Goodyear in New Duties.

Bogalusa, La., September 29—[Special.]—Announcement is made by Col. W. H. Sullivan of the Great Southern Lumber Company that C. W. Goodyear, treasurer of the corporation and of the Bogalusa Paper Company, will be actively associated hereafter with the sales department of both the lumber and paper concerns. While Mr. Goodyear will retain his office in Buffalo, N. Y., he will be a frequent visitor to Bogalusa.

DAVISON CHEMICAL ACQUIRES SIX FERTILIZER PLANTS.

Will Have Total Productive Capacity of 180,000 Tons Fertilizer Annually.

The Davison Chemical Company, Baltimore, announces the purchase as of June 26 of the controlling interest in the Read Phosphate Company, a large independent fertilizer enterprise with its main office in Savannah, Ga., and plants at Charleston, S. C.; Cordele, Ga.; Nashville, Tenn., and New Albany, Ind. Controlling interest has also been acquired in the Welch Chemical Company of Columbus, Ohio, and the Porter Fertilizer Works of Atlanta, Ga. The main offices of the three companies will be continued as heretofore under the present management. A. C. Read, president of the Read Phosphate Company, has been elected to the board of Davison Chemical Company.

With the acquisition of these six plants, the Davison company, with its Baltimore plant and 16 others, will have an annual capacity of 180,000 tons. At a meeting of directors on September 28, plans were consummated for the purchase of the properties of the Gulfport Fertilizer Company at Gulfport, Miss. This plant, at present, has a capacity of 30,000 tons annually, which will be increased as its business grows. It will afford another outlet for superphosphate from the big Davison plant in Baltimore.

Increased Sand and Gravel Production.

Production of sand and gravel in this country in 1927 amounted to 197,454,269 short tons, valued at \$115,529,786, according to the United States Bureau of Mines. This was an increase of 8 per cent in quantity and of 4 per cent in value as compared with the large output of 1926, and was chiefly due to the increased use of sand and gravel in paving and roadmaking and as railroad ballast. Sand production was 93,588,339 short tons, valued at \$54,291,398; gravel production was 103,865,930 short tons, valued at \$61,238,388.

SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE SOUTH IN 1927, BY STATES.

States	Short Tons	Value
Alabama	2,085,696	\$1,292,233
Arkansas	1,461,693	832,520
District of Columbia	990,927	1,048,381
Florida	1,588,907	930,504
Georgia	683,366	295,505
Kentucky	3,002,311	1,718,055
Louisiana	2,723,112	1,910,064
Maryland	2,914,448	2,185,248
Mississippi	3,122,401	1,372,089
Missouri	4,829,473	2,875,530
North Carolina	1,462,808	871,416
Oklahoma	2,074,963	1,331,222
South Carolina	893,772	397,781
Tennessee	2,479,249	1,842,144
Texas	9,695,152	4,694,134
Virginia	1,502,248	1,217,450
West Virginia	2,522,617	2,879,631
Total	44,033,143	\$27,693,907
United States	197,454,269	\$115,529,786

Consolidation of Four Power Companies Planned.

Augusta, Ga.—Stockholders of the Augusta-Aiken Railway and Electric Corporation and the Georgia-Carolina Power Company will meet in North Augusta October 22 and 23 to consider a proposal for the consolidation of the South Carolina Power Company, Edisto Public Service Company, the Augusta-Aiken Railway and Electric Corporation and the Georgia-Carolina Power Company into the South Carolina Power Company, the consolidation to mark the first step in the program of interests now in control of the Augusta company to improve financial and power resources for serving Augusta and vicinity. The South Carolina Power Company is a subsidiary of the Southeastern Power and Light Company, New York, which recently acquired control of the Augusta-Aiken Railway and Electric Corporation and the

Georgia-Carolina Power Company, other subsidiaries including the Georgia Power Company and the Alabama Power Company.

Properties of the Augusta-Aiken Railway and Electric Corporation and the Georgia-Carolina Power Company include the Augusta street railway system, Augusta-Aiken trolley system, Georgia-Carolina power plant on the Savannah River and electric light plants in 40 Georgia and South Carolina towns. The Savannah River Electric Company, another subsidiary of the Southeastern Power and Light Company, proposes a \$20,000,000 hydro-electric plant on the Savannah River above Augusta.

Winston-Salem Plans to Issue \$1,395,000 Bonds.

Winston-Salem, N. C.—The Board of Aldermen, W. H. Holcomb, secretary, plans to issue bonds in the amount of \$1,395,000, as authorized by an ordinance passed last March. The aggregate will include \$150,000 for enlarging the water system, \$150,000 for constructing an incinerator, \$160,000 for curbs and gutters, \$100,000 for the acquisition of land for roads, streets and highways; \$285,000 for the extension of the sewerage system, and \$550,000 for paving.

Architects for \$750,000 Mobile Building.

Warren, Knight and Davis, Birmingham, Ala., have been commissioned to prepare plans for a 12-story building to be erected at St. Joseph and St. Francis streets, Mobile, for the Merchants Securities Corporation, of that city, of which E. F. Ladd is president. Mr. Ladd is also president of the Merchants National Bank of Mobile. Definite date of opening bids on the proposed building has not been determined. The structure is estimated to cost \$750,000.

Gas Testing Laboratory Dedicated.

The new testing laboratory of the American Gas Association was officially dedicated at Cleveland, Ohio, recently, Oscar H. Fogg, president of the association, unveiling a tablet which states that the building "is dedicated to promote and develop the gas industry, to the end that it may serve to the fullest possible extent the best interests of the public." J. G. Clark of the London Gas Light and Coke Company, London, England, was among the speakers at a special luncheon of more than 100 gas executives and officials.

\$1,250,000 Bonds for Bay Front Beautification.

Corpus Christi, Tex.—City council fixed October 16 as the date of an election on a bond issue of \$1,250,000 for the beautification of the bayfront here. The approval of this issue, with \$75,000 available from a former bond issue, would make \$1,325,000 available for the bay front improvements. According to H. L. Shaw, city engineer, the completion of the project would mean the reclamation of \$2,500,000 worth of land. A major item of the improvements would be the construction of a concrete wall four feet above water and 10,000 feet long.

Cotton Crop Hurt by Late Storms.

Raleigh, N. C., October 1.—The cotton crop of North Carolina will be reduced by 150,000 bales below the government estimate of 970,000 bales as issued September 1, by reason of rotted bolls due to continuous rains since the government report was made. "We have had a careful survey made by our county agents in the leading cotton growing counties," says Dean I. O. Schaub of State College. Mr. Schaub had not received reports from all the cotton counties at the time of his statement but believes the damage will be increased rather than diminished as later reports are made.

\$2,000,000 Expansion Program Projected for Louisiana and Arkansas Railway.

[Special Correspondence Manufacturers Record.]

Shreveport, La., October 1.

General headquarters of the Louisiana & Arkansas Railway have recently been established here, the move having been contemplated from the time the railroad under the leadership of Harvey C. Couch, Pine Bluff, Ark., acquired the Louisiana Railway and Navigation Companies of Louisiana and Texas. The actual consolidation now awaits only the approval of the Interstate Commerce Commission. In the combined Louisiana Railway and Navigation system, the present mileage is 543, while that of the Louisiana and Arkansas totals 302, the aggregate mileage being 845. The capital value of the unified systems totals about \$26,400,000, classing it with some of the more important systems operating in the Southwest. Just as soon as the merger is approved, an extensive rehabilitation and improvement program will be launched, necessitating the expenditure of approximately \$2,000,000.

Harvey C. Couch, Pine Bluff, is president; B. S. Atkinson, Shreveport, vice-president; L. Garrett, Pine Bluff, secretary; and F. S. Carroll, Texarkana, treasurer. Other officers include: J. A. Buchanan, Texarkana, vice-president; C. S. McMain, New York City, vice-president; W. C. Ribenack, Little Rock, vice-president; C. P. Couch, Dallas, vice-president; C. G. Lunday, Minden, vice-president and general manager; R. E. Ritchie, Pine Bluff, assistant to the president; Randolph Pack, New York City, assistant secretary. The Board of Directors is headed by E. A. Frost, Shreveport, and in addition includes the following: H. C. Couch, J. A. Buchanan, C. P. Couch, F. S. Carroll, W. C. Ribenack, B. S. Atkinson, C. G. Lunday, L. Garrett, Randolph G. Pack, Karl H. Behr, W. J. Buchanan and A. L. Burford. William Crooks, Little Rock, is the industrial engineer, and under his direction surveys are now being made of the territory served by the systems and efforts will be made to locate industries at various points. An agricultural development department will also be established.

It is pointed out that the territory tributary to the combined systems, while a rich farming land section, is in the infancy of its development. The territory tapped is also said to be rich in mineral resources. In Northeast Texas are iron ore fields, while at Winnfield, La., are large gravel pits and a worthwhile deposit of limestone. Gas and oil are found at numerous points along the lines and an extensive area of lignite centers on Minden, La.; there is another area extending south and west from Shreveport. Rich stands of timber, both soft and hardwoods, encompass the system from Hope on the north and Greenville on the west to Alexandria and Baton Rouge on the east, and it is said that the stand of second growth pines at some points warrants the establishment of pulp and paper mills. Local interests point out that a development of the greatest importance would be the establishment here of blast furnaces, iron foundries and steel works based on the iron ore of Texas and Louisiana.

The L. & A. has its northern terminus at Hope, Ark., where it connects with the Missouri Pacific and the Frisco. Thence it runs almost due south through Stamps, a junction point with the Cotton Belt (S. S. W.), to Minden. There it divides, one branch curving west into Shreveport, the other swinging easterly through Winnfield and on to a terminus at Vidalia on the Mississippi, opposite Natchez, where connections are had with the Illinois Central and Mississippi Central. This latter road terminates at Hattiesburg, where connections are had to Mobile and other Gulf ports east of New Orleans. It

is a logical extension of the L. & A. into southeast territory and might conceivably some day be absorbed into the L. & A. system.

Just west of Vidalia, connections are also had with the Texas & Pacific and Missouri Pacific. At Packton, a short distance southeast of Winnfield, there is an offshoot to Alexandria, where a junction is had with the L. R. & N., as well as at Winnfield. At Winnfield, connections are also had with the Rock Island and Tremont & Gulf, while at Georgetown there is another junction with the Missouri Pacific. At Chestnut, 20 miles west of Winnfield, there is a junction with the Missouri Pacific. At Chestnut, 20 miles west of Winnfield, there is a junction with the Louisiana and North Western. At Sibley, just south of Minden, junction is had with the I. C. and with the S. L. B. & S., a short line ending at Sibley. Due to its many junctions the L. & A. occupies a strategic position and thus distributes at cross-state points much freight which emanates from points north and south.

The L. & A. proper ties in with the L. R. & N. at three points—Shreveport, Winnfield and Alexandria. At Shreveport the two systems interchange with the Kansas City-Southern, the Southern Pacific, the Texas & Pacific, the Illinois Central and Cotton Belt. At New Orleans, the southern terminus of the L. R. & N., contact is again had with the Illinois Central and Southern Pacific, also with the Southern and the Louisville & Nashville and through the Public Belt line with all shipping terminals.

The operating headquarters, engineering department, and shops of the L. & A. are at Minden. They are adequate, it is said, to serve the combined systems. Minden by railroad is less than 30 miles from Shreveport.

The L. R. & N. affords a direct and short line from Shreveport to New Orleans, closely paralleling the Red River from Shreveport to Alexandria on the north side, and below Alexandria on the south side to the junction of the Atchafalaya river and the Red. Here the crossing is made at Simmesport on a \$2,000,000 bridge recently completed, affording a shortcut for the Jefferson Highway as well. The formal dedication of this bridge was on August 5. The Mississippi is crossed directly beyond on ferries, thence the rails follow the east bank through Baton Rouge into New Orleans.

West from Shreveport, the L. R. & N. uses joint facilities to the state line at Waskom, Texas, thence swinging northeasterly through the heart of the great Texas iron ore fields to Pittsburgh. Here it turns west, reaching its western terminus at McKinney, 30 miles north of Dallas. Connections are had with Dallas, both at McKinney, through the Southern Pacific, and at Greenville, 30 miles east, through the Missouri, Kansas & Texas and the Cotton Belt, the latter also giving a line into Fort Worth. The Cotton Belt is intercepted, too, at Pittsburgh and Sulphur Springs, Texas.

At Jefferson the L. R. & N. has a junction with the T. & P. running north from Marshall to Texarkana. West of the state line, it is known as the L. R. & N. Company of Texas, to conform with Texas laws, but to all practical intents and purposes, both divisions are one system.

The Popular Dry Goods Company, El Paso, Tex., A. Schwartz, president, has purchased additional property and contemplates enlarging its store building at a cost of \$300,000 to \$400,000.

Transformer Plant of Moloney Electric Company, St. Louis.



The recently completed transformer plant of the Moloney Electric Co., St. Louis, is of modern daylight construction and contains over 300,000 square feet of floor space, not including the yard and space used for outdoor storage. The plant was erected in six months' time and is now operating at capacity. It was built by the Hercules Construction Co., St. Louis; the Mississippi Valley Structural Steel Co., Leavenworth, Kan., furnished steel and the Eichler Heating Co., St. Louis, installed the heating system, together with a system for circulating transformer oil throughout the plant.

Tri-State Educational Program for Forest Protection Under Way.

Waycross, Ga., October 1—[Special.]—An unprecedented interest in forestry has been created in south Georgia and north Florida as a result of the Georgia Forestry Fair, first event of its kind held in America, in recent session at Waycross. The American Forestry Association has launched its tri-state Forest Educational Program, for which an appropriation of \$250,000 has been made, the first project having been designated at Waycross. From this point the representatives of the Association have gone into Georgia, Florida and Alabama, in an intensive campaign to be waged in the interest of Southern forests.

A meeting of turpentine operators and lumbermen was held in Colquitt following the fair, the principal speaker being Dr. Charles H. Herty, director of the organic chemistry department of the National Research Council. B. M. Lufburrow, Georgia state forester, and J. G. Peters, representing the United States Forest Service, have appeared before the Chatham County Grand Jury in Savannah to urge the importance of forest work in Chatham.

Extensive shipment of pulp wood cut from the river bottoms and low lands between Jesup and Brunswick, in Wayne and Glynn counties, started the latter part of September, another indication of the growing popularity of the forestry program. The Altamaha River Lumber Co. is making the shipments to an inland paper mill. The initial order is for 50 carloads and includes gum, maple and poplar.

Forest protection from fire has become a watchword with timberland owners of this section, many steel lookout towers having been built and the fire break system adopted.

Furniture Manufacturing Company Reorganizes.

Martinsville, Va.—Stockholders of the Craig Furniture Company, of this city, have ratified a new charter for the firm and elected a new Board of Directors as follows: W. M. Bassett, J. D. Bassett, J. D. Bassett, Jr., L. B. Stone, S. E. Booker, T. G. Burch, J. C. Greer, H. A. Ford and H. R. Schottland.

South to Welcome Mr. Hoover.

Johnson City, Tenn., September 29—[Special.]—As host on behalf of the South to a candidate for President of the United States, this section has made every preparation for the visit of Herbert Hoover to Elizabethton and Johnson City on October 6. Besides his main address at Elizabethton, Mr. Hoover will talk at the National Soldiers' Home here and to at. All-Southern banquet here, also.

More than 1000 reservations are reported to have been made at hotels in this area, many women being included in the group of prospective visitors, and many more persons will be accommodated in private houses.

Expansion Activities of Texas Corporation.

Tulsa, Okla.—Expansion activities of the Texas Corporation, New York, include a new trunk pipe line from this city, the present northern terminus of the Texas pipe line system, to Lockport, Ill., near Chicago, a distance of 650 miles, which is expected to effect a substantial saving in transportation costs on the crude run at the Lockport plant. The refinery will be doubled at Lockport, having been served heretofore by the Prairie Pipe Line Company with 7500 barrels of crude oil daily. Upon the completion of the new line, the Texas Corporation will move its own oil to that point. It is understood that 40,000 tons of pipe will be required for the line, which will have a capacity of 20,000 barrels daily.

Three new refineries, designated as neighborhood plants, will be built in Texas adjacent to the producing fields and the products distributed in surrounding territory to effect a saving in transportation costs. A plant of 3000 barrels daily capacity will be constructed at Amarillo and a new unit of similar capacity at San Antonio, while one of 1500 barrels daily capacity will be built at El Paso. The Amarillo and San Antonio plants will be connected to the Texas system, the El Paso plant probably to get its crude from an existing line of another company. The Amarillo plant will run on Panhandle crude and the other two on West Texas oil. A plant of 3000 barrels daily capacity will also be built at Cody, Wyoming. All the work is expected to be completed early next year.

A Suggested Solution of Florida's Tax Problem.

By HENRY C. ROWE, Westerly, R. I., and Daytona Beach, Fla.

How can the progress, prosperity and development of Florida be multiplied? I do not say how can it be increased, but how multiplied? I believe there is a simple and certain answer to this problem. It is of the greatest financial importance that Florida should find it and use it.

In my opinion, there is a remedy which, if applied, will immediately bring into use, ten times as fast as at present, the advantages and attractions of the Florida climate, soil, transportation conveniences and facilities, and will rapidly increase the population of the State. I believe there are 10,000,000 people in the United States who, as soon as they realize and understand the advantages of Florida, will make it their place of residence during a part or all of the year, and that real estate taxes are the only obstacle now preventing thousands of persons who bought building lots during the past five years from building homes on these lots.

Fortunately, there is an available and easy means to remove this burden, namely, to devote a fair proportion of the gasoline tax to the amortization of the principal and interest of road and bridge bonds, and thus remove a large portion of the burden of taxation upon real estate.

The State, I am informed, now receives over \$16,000,000 annually for automobile licenses and gasoline tax. If a fair proportion of this \$16,000,000 should be devoted to the amortization of highway and bridge bonds and thus relieve real estate from a considerable part of the present taxes, I believe this would immediately cause an enormous demand for mechanics, laborers, architects and contractors in erecting houses for a rapidly increasing population, and that Florida would enjoy a greater degree of real prosperity and development than ever before.

I am informed that there are certain localities in the State where highways which have been commenced or projected need to be completed. If five or six million dollars are annually employed upon this work, is not this sufficient for gradual completion under present conditions? Is it not vastly more important to Florida that the burden of real estate taxation be relieved, than that the present splendid highway system be hurriedly increased at this time, and is it not just and fair that those who use the highways should pay for them instead of leaving the burden of their construction and maintenance upon real estate?

Is not the general prosperity and development of the State more urgent than the undue hastening to completion of all the highway projects which have been devised?

During the speculative inflation of real estate values in 1925, commonly known as "the boom," many owners of land in Florida believed that they were millionaires, or near millionaires, and spent wastefully their own money, and sometimes that of other people. The latter was especially true of officials in some parts of Florida who acquired habits of lavish expenditure at great cost to the taxpayers whose money they handled. These lavish expenditures still further stimulated the apparent prosperity; but speculation, whether it be on Wall Street or in Florida land, is always followed by reaction, the principal difference being that while the fluctuations of Wall Street are sudden, those in real estate, whether in Florida or elsewhere, are more gradual in their succession.

The great increase in population and wealth of Florida during the ten years prior to 1925 promised still greater development during the following ten years, but the development was forestalled and discounted by the speculative inflation. Florida still has the same essential and potential values, because Florida is the natural dwelling place in winter for ten times as many people as now live there. And

they will come and become residents and will promote the prosperity of the State, if political financiers do not unwisely halt them by "wringing the neck of the goose which lays the golden eggs."

Tens of thousands of the people who now motor about Florida invested in building lots before and during the boom, but they hesitate to build their homes and become residents of Florida because taxes are high.

Since the boom disappeared, land developers have discontinued lavish expenditure of *their own money*. They are not now adding to the vast area of Florida by such projects as Miami Beach or Coral Gables, nor are they staking off thousands of building lots in out-of-the-way localities. In fact, people are economizing their own money until conditions permit the State to resume its course of prosperity, but some of those who disburse public money are unwilling to apply to the expenditure of *public money* the same methods of economy that land owners are applying to their personal affairs. These officials acquired the habit of lavish expenditure of the taxpayers' money during the boom and are unwilling to abandon this agreeable pursuit.

The writer is not in politics and has no time to spare for that employment. He is only one of hundreds of thousands who pay taxes on land in Florida, and every Florida taxpayer should consider carefully how the present conditions may be made entirely satisfactory. It is simply to stop spending many millions every year unnecessarily, and apply those millions to paying existing road bonds, and thus greatly reduce the taxes upon real estate, and to prevent future reckless bonding, by constitutional limitation as in other states, also forbidding future bond issues unless approved by a majority vote of all registered voters.

Many years ago there was a great question "how to resume specie payments," but it was found after all that it was exceedingly simple; that the way to resume was "to resume." Our problem now is just as simple, namely, to devote a fair proportion of the gasoline tax to paying for the highways already built instead of increasing them rapidly at the present time.

The writer has received a great number of favorable letters and newspaper comments on the subject, but a few interested people have misunderstood or misrepresented this proposition. It has been intimated that it would increase the gasoline tax and divert it from road construction, and treat the gasoline consumer unfairly; also, that it would be unfair to those counties which have been economical in bonding. There is nothing in these claims, because it is not proposed to divide the gasoline tax among the counties in proportion to their bonds, but to divide it in proportion to their actual collections of gasoline tax.

As to consumers, it is agreed that the gasoline tax ought to be applied to the benefit of the highways. What better measure of the use of the highways can be found than that of gasoline consumption? It is a question between new expenditures or of paying present debts and thus reducing the taxpayers' burdens by just that amount. Can any taxpayer suggest a better way to relieve the taxes upon real estate and thus multiply the prosperity of Florida? If so, the writer will be glad to advocate it. If this simple remedy is applied, the prosperity of Florida will at once be multiplied, because the erection of thousands of homes will furnish immediate employment to thousands and promote every kind of legitimate industry and business.

Many of the States have entirely financed their highways with the gasoline tax and license fees without any burden

upon real estate. For instance, North Carolina, as described in the MANUFACTURERS RECORD of August 23, has thus paid for her magnificent highway system. Why should not Florida with economical and judicious management thus defray the whole cost of the highways which have been built by the State and counties, and thus relieve real estate of this unnecessary burden which is preventing the development of the State?

Equipment Wanted for Big Louisiana Fur Farm.

The Mt. Forest Fur Farms of America, Inc., Detroit, Mich., which recently purchased 110,000 acres of land near New Orleans, La., for the development of a big fur farm, is in the market for lumber of all grades, galvanized iron, wire netting, roofing, Celoglass or similar products, boats of various types, including speed boats, various types of marine engines, and also steel traps for trapping live fur bearers. This company is said to be one of the largest breeders of fur bearing animals in the world, with total assets of more than \$6,000,000.

Southern Lumberman's Directory.

Of much value to many industries and trades as well as to the lumber industry itself, the Southern Lumberman's Directory of American Saw Mills and Planing Mills, fifth edition, appears from the office of the Southern Lumberman, Nashville, Tenn. Not only is the volume remarkably complete and comprehensive but the convenient and accessible arrangement of the contents is a model for many similar publications.

Covering the 48 States and the District of Columbia and giving a long list of railroads, necessitating 1250 pages, the directory devotes an individual paragraph to each mill. Guide lines indicate the kinds of lumber produced; letters show other products of each mill and a comparison of the figures and letters with the running index makes it possible quickly to find every producer of any kind of lumber or other wood product and to ascertain the nature of the equipment of each plant.

In presenting this directory, the Southern Lumberman has performed a service of importance and value to the buyer of lumber, to the wholesale dealer in lumber, and to the manufacturer of machinery, equipment and supplies used in sawmill and planing mill establishments. The price is \$20.

Broadcasts Mississippi Advantages.

Jackson, Miss., September 29—[Special.]—Homeseekers' rates established on a practical basis, such as suggested by the MANUFACTURERS RECORD, will serve to attract people to the South in as large numbers as they have ever been attracted to Canada and other points, as a result of which the rail lines will profit even as those who are directly interested in putting to economic use the 78,000,000 acres of idle land in the South, it was declared by L. J. Folse, general manager of the Mississippi State Board of Development, in a radio address today over radio station WLAC, operated by the Life and Casualty Insurance Company of Nashville, Tennessee.

To demonstrate the great industrialization of agriculture in Mississippi, Mr. Folse pointed out that in 1918 Mississippi had only 33 dairy industries of all kinds; in 1923, it had 58 dairy products manufacturing plants, and on September 1, 1928, it had 237 such industries, an increase of 179 plants in five years.

Mr. Folse's speech came at the close of a program over station WLAC covering one week; in this Mississippi was featured each evening in a program known as the "Mississippi hour." Talented artists and leading men and women representing all parts of the State appeared on the program.

JACKSONVILLE LUMBER DEALERS ORGANIZE FIRST MUTUAL WAREHOUSE CORPORATION IN SOUTH.

To Stock Slow-Moving Items and Effect Savings in Buying and Reduce Yard Inventories.

Jacksonville, Fla.—The Associated Lumber & Supply Corporation has been organized here by 10 retail lumber and building material dealers, to warehouse and to wholesale to members lumber and building material stocks not normally purchased in carload lots by individual dealers. Included in the corporation are: Dekle Lumber Co., McCormick Lumber Co., Mahoney Lumber Co., Jones Lumber Co., Foley Lumber Co., Superior Lumber Co., Peninsular Lumber Co., Christian Lumber Co., and the United Lumber & Remilling Co. The officers are: President, W. M. Mason, Dekle Lumber Co.; vice-president, H. R. Mahoney, Mahoney Lumber Co.; secretary, E. F. McCormick, McCormick Lumber Co.; treasurer, Harold S. Foley, Foley Lumber Co.; manager, James S. Shands.

Organization of the corporation is the first experiment of this nature in the Southeast. It is patterned after the plan of the Reserve Supply Co. of Cleveland, Ohio. The principal objective is to carry retail yard stocks which are not usually purchased by local dealers—members of the corporation—in carload lots because of slow turnover, and these materials will be supplied to member yards at attractive prices because of the ability to buy in comparatively large quantities. It is expected that this plan will permit a great reduction in the inventories of member yards. Members will be required to pay for all purchases of the current week by the following Wednesday, thus permitting the assets of the company to remain liquid, since a large part of the stock will be carried on consignment and paid for as sold to the members. Only market leaders will be carried in stock, including such items as: Longleaf framing over 20 feet long; pine flooring 1¼ by 3 and 4-inch; complete line of hardwood flooring; mouldings; patent roofings; wallboards; nails; galvanized roofing; metal, asbestos and stained wood shingles; metal lath; wall tile; finish lime and rock lime. As the demand necessitates other items will be added.

J. S. Shands, the manager, will be in charge of buying, warehousing and distributing stock. He has had many years of experience in the lumber industry and is the owner of the Shands Lumber Co., which specializes in hardwoods used in the building of boats.

Sub-Contracts on \$750,000 St. Louis Building.

St. Louis, Mo.—The following sub-contracts have been awarded on the proposed \$750,000 mother house and novitiate for the Sisters of St. Mary, to be erected at Clayton road and Bellevue avenue, St. Louis County:

Browne windows—Richey, Browne & Donald, Maspeth, N. Y.
Excavating and grading—Andrew Schafer Supply and Wrecking Company, St. Louis.
Mankato stone—Breen Stone and Marble Company, Kasota, Minn.
Millwork—B. Goedde and Company, East St. Louis, Ill.
Reinforcing steel—St. Louis branch of Concrete Engineering Company, Omaha, Neb.
Sand, gravel and cement—Dalton Brothers, St. Louis.
Sheet metal work—Symonds Sheet Metal and Fire Door Company, East St. Louis.
Structural steel—St. Louis branch of Atlas Iron Works, Inc., Bridgeport, Conn.
Terra cotta—St. Louis branch of Northwestern Terra Cotta Company, Chicago, Ill.

The structure will be of wall-bearing, reinforced concrete and brick, trimmed in stone and terra cotta. It will be 230 by 54 feet, with 4 wings, approximately 33 by 70 feet and chapel 130 by 40 feet. O'Meara and Hills are the architects and the Wimmer Contracting Company, general contractor, both of St. Louis.

Men and Machinery.

SOME REASONS WHY THE MAN WHO PERFECTS A MACHINE IS A WORLD BENEFACTOR.

By EVERETT SPRING, Washington, D. C.

"Machinery is taking the place of men." "Men are being made mere machines." "Labor-saving devices are taking the bread out of the mouths of women and children." These and many similar aphorisms, equally ill-founded, are often heard. What the result really has been every one can see for himself. The change to machinery brought about an improvement in the condition of those who used it, and what seems paradoxical, the invention that was designed to save human labor brought about an increased demand for employment.

It has been thus with every labor-saving device. Commended to the world as a great saving of labor, every practical and popular invention has eventually resulted in a large increase in the number of those using it. When the sewing machine was first put on the market, its chief recommendation was that it would enable a woman to do all her sewing in an hour or two each day; thus she might dispense with the services of a seamstress and, with ease and economy, do the work for herself. Instead, however, of decreasing the number of seamstresses, the result was an enormous increase, for when sewing could be done so easily and cheaply, the demand for ready-made garments of every description was increased, and now 20 people find employment in the manufacture of clothing where one was thus engaged prior to the invention of the sewing machine.

The typewriter furnishes a still more striking illustration. When this invention became a working success, people in business gave up writing letters in longhand, preferring to employ some one already familiar with the machine, with the result that thousands of young women found employment as stenographers.

Such instances may be multiplied without end. Everywhere the skill of the inventor is compelling the machine to perform the work of human fingers, and thus releasing men and women from the heavier labors that were the lot of their fathers. The farmer once extracted stumps with spade and ax; now he blows them to pieces with dynamite. He once cut his grain with a sickle, and found a scythe and cradle a wonderful improvement. Now by the aid of reapers and binders, he can cultivate many times the acreage possible with the former methods.

In the matter of clothing the two most important factors are the price of the goods and the cost of labor. In each case the use of machinery, besides giving employment to a greatly increased number of persons, has brought down the price of the product, so that a good suit of clothes can now be bought for less than ever before.

An accompaniment of the discussion of the extent of unemployment has been the blame heaped upon machines. The

premise is reasonable enough. One bottle-making machine will take the place of 54 hand blowers. Thus, 53 hand blowers are out of work. Multiply the effect of this one invention by scores of inventions and a picture is presented of the machine's havoc among the unemployed. But while there is agreement on the premise, there is no agreement on the conclusion. One school of thought reasons that the machine throws these men out of work. Yet experience shows that men supplanted in one job by a machine will find greater opportunity for work that ever because of increased production by the machine.

The newspaper and the linotype are good examples of the machine and changed methods it brings. The linotype will do the work of, say, four men. What happened when the newspaper installed linotypes? The printers recall that there was a temporary shift in employment. But after a short period of adjustment the linotype, instead of throwing men out of work, made more work for them. There were more newspapers, bigger newspapers and more printing establishments.

The machine is playing an important part in the revolutionary changes in industry since the war, which brought a great burst of inventive genius, accompanied by mechanical changes and more efficient methods. These changes are still in progress. But the machine is not to be blamed for throwing men out of work. For instance: Two competing plants are on the same footing. One installs labor-saving machinery and increases the installation by waste-destroying methods. The other clings to old machines and old methods. The first plant gradually enlarges its production, gets more business. The other fails, and when it fails its employees lose their jobs.

Dun and Bradstreet listed 23,146 failures last year. How many of these were due to the fact that they didn't keep step? How many boasted that machinery bought years ago was as good as it was when bought years ago and promised to hang on to it until it falls to pieces. In view of the manifest improvements that, since the introduction of labor saving machinery, have been made in the condition of those who do manual labor, it seems plain that the opposition to further improvement in this direction should cease.

The man who invents a machine which saves time is a benefactor, not only to those who use the appliance, but to the whole world. For he not only cheapens that which is made and thus brings it within the reach of a greater number, but he makes possible more leisure and thus better opportunities for the enjoyment of home life, for self-culture and for amusement.

Erecting Large Number of Oil Storage Tanks.

Beaumont, Tex.—The Yount-Lee Oil Company, of this city, has awarded a contract to Reeves Brothers, Birmingham, Ala., for constructing 30 steel tanks of 55,000 barrels capacity each, at its tank farm at Spindle Top, where the same contractor is constructing 26 tanks of 55,000 barrels capacity and 4 tanks of 80,000 barrels capacity each. Added to this, the company has 44 steel tanks of 55,000 barrels each at its tank farm and 4 tanks of the same capacity at its loading terminals. Upon the completion of its present construction program, it will have a storage capacity of 6,140,000 barrels at its tank farm and terminals.

Weller Organization to Manage Gas Plants.

The new gas plant being built at Sheffield, Ala., to serve that city and Tusculumbia, will be under the management and operation of Francis R. Weller, Inc., Washington, D. C., consulting engineer on the project, who also designed and will manage the new water gas plant recently completed at Laurel, Miss. The Parker-Russell Mining and Manufacturing Company, construction engineers of St. Louis, Mo., is the general contractor on both plants, and, as reported in the MANUFACTURERS RECORD of September 27, the Semet-Solvay Engineering Corporation of New York city, furnished the equipment for both.

Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

Political Freedom for the South.

Thomasville, Ga., September 12.

Editor Manufacturers Record:

No sane Prohibitionist has ever considered the Prohibition law perfect, but for God's sake, let the Al Smiths keep their hands off. They have no conception of its organic or fundamental character, or of what it means to the world. One might as well send an unfinished watch to a blacksmith for parts, a sick baby to a horse doctor for diagnosis, an airship to an ox driver for operation, as to turn the Prohibition law over to the Raskobs, du Ponts and Smiths for amendment. They know nothing about Prohibition; they have no sympathy or patience with the idea, and for them to attempt its correction is to wreck the greatest advance movement the world has made since Jesus brought love to supplement and take the place of law. Governor Smith has "hit upon" some very democratic measures in his career as Governor of New York, and I admire his courage, but he has broken his lance on this great problem; he has rushed into a tournament out of his class where angels would fear to tread.

As for the South breaking with the Democratic party, let us all sincerely hope so. I am the son of a Confederate soldier who never voted a Republican ticket in his life. Up to this time, I have never done so, but the provocation is now all-sufficient. I can never be a permanent advocate of what is generally termed the Hamiltonian idea of government—that is, the rule of the classes—advocated openly now by the Republican party. It is selfish, snobbish and exclusive. I believe supremely in the Jeffersonian idea—the rule of the masses—which for all the years of my life has been a fundamental claim of the Democratic party. But, the claim no longer holds good. Here is a law that was voted into the Constitution by the masses, and the candidate of the Democratic party is trying to get it repealed without any organized mandate from the people. I cannot vote for him.

The only alternative that will count is Hoover. Personally, he is one of the biggest men that this generation has produced. He is highly educated, worldwide and practically trained and has a conscience and a conception of what it is all about, while Governor Smith is superficially trained in provincial politics that is no more indigenous to Georgia than the governmental policies of Timbuctoo.

If Georgia and the South can break with their traditional politics for once, it will give us political freedom for all time to come. If we let the bogey politicians frighten us into support of the regular Democratic ticket, we shall probably not have another provocation in many years sufficiently strong to break the Solid South, a political bond that not only is galling, but also is not worth a fig to the people of the South, and which keeps them from a freedom that the Boston Tea Party started a row over.

JNO. W. GREER.

A Hotel Clerk's Work for Prohibition.

The Fort Gatlin.

Orlando, Fla., September 3.

Editor Manufacturers Record:

Please send me two copies of the leaflet on Governor Smith's statements about increased drinking under Prohibition refuted by facts. I wish I could afford to buy 1,000 copies and distribute them here where they certainly are needed. I am a clerk in this hotel and regularly read the RECORD belonging to a friend. There is a growing sentiment for Hoover in this State, according to traveling men.

W. L. BERST.

Anti-Smith and Pro-Democratic for State Governments.

Wilmington, North Carolina.

Editor Manufacturers Record:

The South was dry to a large extent before the enactment of the Eighteenth Amendment, and the South's support was requisite for the adoption of the Amendment, which was made necessary for the more effectual enforcement of the law in the dry areas; 33 states had dry laws before national Prohibition, and 46 states voted for the adoption of the Amendment, and 45 states enacted concurrent enforcement laws, among them the state of New York. Prohibition was adopted by the South on both economic and social grounds, and by reason of this salutary regulation the South has made more progress relatively than any other section of the country since the adoption of this protective measure; and the marvelous expansion of the industry and commerce of the country generally in recent years is largely due to the suppression of the legalized liquor traffic, and in the opinion of such industrial masters as Gary and Ford, the weakening of the Prohibition law would bring about a progressive decline from our present industrial peak. The development of highway construction, especially noteworthy in the case of North Carolina, and the progressive growth of auto vehicles as a means of transportation, render the return of the liquor traffic perilous in the last degree, for if highway fatalities under present conditions are a matter of deep public concern, only the imagination can picture the conditions should the suppression of the liquor evil be weakened or further violations of the law be encouraged.

The South considered the liquor question settled, and the responsibility is upon New York State Democracy, confirmed and emphasized by Governor Smith, for making Prohibition an issue. It is now palpably clear that Governor Smith organized his campaign two years ago with this especial object in view, and from the first has had the support of practically all of the wet press of the country. Among the elements of his campaign has been the studied purpose to create the impression that the Prohibition law could not be enforced, and opposition to the law has been made to appear a virtuous regard for public morals and social well-being. This feature of the campaign has been most industriously worked, and the sinister influence can be seen in the bewilderment and confusion of mind of many men and women who stand for high moral ideals and who have been unconsciously deceived and misled.

Governor Smith's acceptance speech fulfills the worst prediction of the law enforcement element of the country, and his declared official position on the Prohibition question requires taking into account these considerations:

1. He predicates his opposition to Prohibition on this quotation from a law writer: "When a law is made declaring conduct widely practiced and widely regarded as innocent to be a crime * * * trials become scenes of perjury and subornation of perjury, etc." from which it appears that Governor Smith thinks the manufacture, sale and consumption of liquor a practice "widely regarded as innocent", which no doubt reflects his true thought on the subject, and leaves no excuse for the Prohibition forces to misconstrue his meaning or underrate the importance of the contest. He refers to the oath of the President as pledge for the enforcement of the law, indifferent to the fact that his oath as Governor of New York State obligated him to support the Federal Constitution and all laws thereunder, which obligation he deliberately and wilfully violated by procuring the repeal of the New York enforcement act; and if his oath as Governor did not bind him to support this Federal law, his oath as President would give no promise of better results. His whole attitude toward the enforcement of the Prohibition law has been one of flippancy, and his reputed reference to resting his foot on the rail and blowing off the froth precludes the thought of any serious intent to enforce a law which he belittles and to which he declares open opposition. It is axiomatic of human conduct that precept avails nothing unless supported by practice, and it taxes credulity to believe that an executive who agitates for the modification of a law which he declares to be unjust, harsh and unenforceable, would honestly try to enforce it.

2. Governor Smith is the leader of the forces that have

made Prohibition the issue, and having made an issue which the South endeavored to avert, his wilful disregard of Southern interests and sympathies absolve the South from any obligation to support him. The position which he has created for himself, and upon which he appeals for support to the country at large, is paradoxical, for it means at once for those who oppose his position to support the man and fight his policy. It cannot be doubted, since he has made modification of the Prohibition law the outstanding issue, that this would be among his first and major considerations, and the history of party government conclusively shows that antagonism between the executive and legislative functions invariably fails to achieve salutary results, and always intensifies party discord. This is the dilemma in which Governor Smith places the party, and for a voter who sincerely believes that the suppression of the liquor evil is a sound national policy, to feel constrained to vote one way and pray the other, puts him in a position so compromising as to excuse the most loyal Democrat for refusing to subordinate his convictions to the fetish of party regularity, especially when the diversion is in the Nation non-essential and the conformance in the State essential.

3. Governor Smith's position in the last analysis means the repeal of the Eighteenth Amendment, for nothing short of this can remand the liquor traffic to the control of the individual states, and with this accomplished bootlegging would increase rather than diminish. Moreover, his policy for the ultimate control of the traffic would legalize it in the highest form by establishing it as a State function, thus at one step abolishing its outlawry and giving it a respectable status, and undoing all that has been accomplished for half a century in putting the evil under the ban. Nor would modification of the Volstead Act effect a remedy. On the contrary to increase the alcoholic content would but multiply the means of evading the law and cause more debauchery. The liquor traffic has ever been, and will ever be, an alien to the moral law and an enemy to State rights; and under state control state lines would quickly and effectually disappear—as did they before national Prohibition—and dry territory lose its immunity. From this must be deduced the inevitable conclusion, that Prohibition to be effective must be national in its scope, and that any other mode of control is but a scheme to retain the liquor traffic under some guise of regulation.

Nor can the fact that, as President, Governor Smith would have no power to repeal the Eighteenth Amendment or modify the Volstead Act, lessen the encouragement of law violation should he make recommendations to these ends.

However, it matters not what may be the degree of opposition to Governor Smith, for any cause, or no cause, we should not be unmindful of the necessity, present and compelling, of preserving Democratic State control, on which depend, as they have always depended, our economic stability, industrial and commercial progress and social well-being. Indeed, the very ground of opposition to Governor Smith—the public welfare—enjoins the duty of supporting, and supporting zealously, the rest of the party ticket, and thereby preserving the bone and marrow of our political institutions.

J. A. TAYLOR.

A Lifelong Democrat Who Is Proud to Vote for Hoover.

Lexington, Ky., September 22.

Editor Manufacturers Record:

I want to express my hearty appreciation of the able manner in which you are handling the prohibition problem and the way you are espousing the cause of Mr. Hoover over Al Smith.

I shall give you just a brief report of conditions here in Kentucky. Personally I am a true born Southern man and have never voted anything except the Democratic ticket, but this time I am proud to vote for Mr. Hoover and in this way resent the action of my party in allowing the Northern Republicans and foreign element to put forth such a man as Smith to fill the presidential chair.

I have been asking everyone I meet, especially the Democrats, how they will vote, and four out of five tell me they cannot vote for Smith. Some will not vote at all, but nearly all will vote for Hoover and so express their resentment, as they say, for the Democratic party putting up such a candidate.

It is a pleasure to find a magazine of such influence taking so strong a stand for the Prohibition laws.

S. T. RANDLE.

Asks Daniels "How Can a Dry-As-Dust Prohibitionist Support a Wet-As-the-Sea Anti-Prohibitionist?"

Neuse, North Carolina.

Editor Manufacturers Record:

As a paid-up subscriber to the estimable Raleigh News and Observer I have followed your debate (?) with the Hon. Dr. Josephus Daniels, Bishop of Raleigh, with keen interest and much heart searching.

I write to ask why you dragged in such a dud as Houston's deflation policy, when right at hand were such juicy and very real steals as the airplane scandal, Hog Island, cantonment building, enemy land and property, etc., etc. The sum of money involved in any one of these affairs makes Dr. Fall's little peculations appear as mere petty larceny—like stealing apples.

If the debate continues, when you and Dr. Daniels have exhausted modern and ancient history, the Bible (if he hasn't brought that in yet, he will) the encyclopedia, the dictionary and what have you, when, as I said, you all have exhausted all such matters, why not return to the original question, restate it in, say, 15 or 20 words, and command Dr. Daniels to limit his reply to, say, four 8-column newspaper pages?

I suggest that your question be something like this:

"How can an honorable 'dry-as-dust' Prohibitionist support a 'wet-as-the-sea' anti-prohibitionist, and sleep well, when sober?" I predicate the question on your earnestness. But I'm sorely tried to believe that you are not in cahoots with Dr. Daniels. The reason I so fear is your dragging out the transparent hokum of Houston's economic policy. Why did you choose that and not Hog Island, or the wierd business of paying hundreds of millions for airplanes, none of which (not even one, if memory serves me right) ever was born?

And don't you recall Bishop Daniels' bull declaring the United States Marine Corps a branch of the Epworth League?

C. R. FAIRFAX.

A Banker Thinks the Editor Has Gone Crazy.

The Talladega National Bank.

Talladega, Ala., September 5.

Editor Manufacturers Record:

As a long time reader of the MANUFACTURERS RECORD you will pardon a man three score and ten for telling you I think you have gone crazy. Prohibition, making tens of thousands of lawbreakers and our young people just common liars, with the girls keeping step with the boys. Protection, with a tariff so high as to pauperize and make peasants of our farmers, when taken in connection with freight rates and limitation of immigration. Not least, advocacy of cancellation of foreign debts.

My grandfather was a Federalist and an officer in the Eleventh Pennsylvania Line in the Revolution. My father was a Whig and a soldier in the war of 1812. My people, on my father's side, have for generations been Presbyterians. Up to the World War, I was an advocate of the things I had been taught, viz., a great, well organized, efficient central government with implied powers sufficient, if need be, to suppress freedom of the press, of religion and of the person, and in which the rich and powerful were given special privileges to keep them interested in governmental affairs. But Germany taught me that the only chance for human liberty was in democracy and the only chance for the soul's development was in letting every transaction of life be governed by justice, mercy and a building up of the fellow at the bottom.

Go to it, but the farmer is on the road to peasantry and your big consolidations will topple in blood as did Germany.

HUGH L. McELDERRY.

[Just how our good friend, Mr. Hugh L. McElderry, could ever believe in a Government with power sufficiently strong to suppress freedom of the press, of religion and of the person, is beyond our power to understand. We are just wondering if the editor of this paper was ever as mentally unsound as was this view held by Mr. McElderry.—Editor MANUFACTURERS RECORD.]

IRON, STEEL AND METAL MARKET

Rail Buying Begins—Consumption of Steel Is Heavy, With September Production Higher.

Pittsburgh, October 1—[Special.]—The Louisville & Nashville has ordered 60,000 tons of rails for rolling at Ensley, Ala., over the next few months. Its order placed just a year ago was for 66,000 tons. Other rail purchases in the week were: Burlington, 30,000 tons; Chesapeake & Ohio, 45,500 tons; Union Pacific, 40,000 tons; Great Northern, 15,000 tons. These purchases, totaling 190,500 tons, represent the initiation of the annual rail buying movement. The New York Central and the Pennsylvania are expected to buy about 200,000 tons each in the near future. The movement a year ago ran up a total of about 1,750,000 tons, chiefly in the last three months of the year, with a little buying in January. Nominally deliveries are for the first half of the year, but some of the roads allow mills to anticipate in November and December when mills are likely to be short of other business.

Automobile and truck production in the United States and Canada in August totaled 489,758, making a new high record by a wide margin. Other high months, in sequence, were April, 1926, 462,809; May, 1928, 459,805; October, 1925, 457,729. Total in the first half of this year was 2,326,599, while the second half may be forecast at around 2,500,000, making 4,800,000 for the year, making a new high record by passing 1926 by about 7 per cent but that is not significant since the first half of this year was off a trifle. The current rate is much more than 10 per cent above any previous pace. Steel consumption is especially heavy, as the average weight of cars has substantially increased since two years ago.

The rate of steel production increased during September and the average for the month was probably close to 85 per cent, against 82 per cent previously reported for August. The full rate promises to hold at least until the latter part of October. Ordinarily there is a tapering off late in the year. There is a strong balance of probability that the year will run 3 to 5 per cent above the record year, 1926.

In the majority of finished steel lines there has been a little decrease in engagements in the last fortnight, both in current purchases and in specifications against contracts. Mills in these lines were attempting to advance prices for fourth quarter, and set September 10 or thereabouts as the last date for specifying on third quarter contracts while at about the same time they marked up prices on current orders. This caused some extra specifying and buying for weeks, naturally resulting in some sort of lull afterwards.

In sheets the advanced prices seem to be holding quite well, but buyers are covered for a large part of their requirements in the fourth quarter and they have some doubt whether the advanced prices will hold when the mills get over their rush. In bars, shapes and plates contracts have been made at various prices, according to tonnage, for fourth quarter, all at advances over what the same buyers were paying for third quarter. In hot rolled strips practically no advance occurred. Wire products have been steady at old prices, nails being \$2.55 with small concessions to the largest distributors.

Steel production in the third quarter was 2 to 3 per cent under that in the second quarter. The average price realized on all finished steel shipments increased somewhat, as it had done successively in the two preceding quarters, and average production cost slipped down a trifle. The net result is that substantially all the steel companies will show increased earnings for the September quarter over the June quarter, say 5 to 10 per cent. The Steel Corporation and others that

profit by Lake Superior ore movement will show larger gains than this.

Valley pig iron is selling only in small lots and the recent stiff advances in asking prices are not given any serious test.

Higher Prices Feature the Metals—Copper Reaches 5-Year Top—Tin Advances.

New York, October 1—[Special.]—The features of the metal situation are the higher prices of copper and tin, as well as antimony and quicksilver, the large amounts of metal bought in September and the generally strong tone of the markets. The price of spot tin reached 49½¢ per pound late in the week, the highest in several months. Copper was again advanced ¼¢ per pound to the highest quotation in five years. Antimony reached 11½¢ per pound, which is another new high for recent months. Quicksilver is at new high levels for the year at London, though the strength there has not been reflected in the American market.

The rise in the price of tin is believed to have been due to the many combinations and mergers among Malayan mine operators, which has placed the production in the Far East under three or four big heads. Some of the rise in prices was also due to propaganda on the part of those promoting the sales of tin shares. There was also the news being circulated in the daily press that only a six days' supply of tin was available for American industries. However, tin authorities paint no such alarming picture and state that in a broad way the heavy world consumption is being taken care of amply by the unusually heavy production in the Far East. Tin statistics are always very incomplete and one can juggle figures to prove most anything.

Industries related to the metals are giving good account of themselves. Automobile production is much better than usual for this time of year. It is predicted that the railroads will be buying much more rolling stock, partly because the American Railway Association has decreed that 300,000 wooden cars are to go by 1930. The replacement will involve considerable non-ferrous metals in bearings, etc., for the cars. Steel operations increased 5 per cent in a recent week. There are further indications, however, of a much smaller consumption of tin in canning than first expected. The cold snap of last week has virtually put a stop to canning of vegetables, frosts having affected the crops.

The prices on copper are now 15½¢ per pound, c. i. f. European ports, and 15¼¢, delivered to the domestic market, the highest since May, 1923. Sales were less than for the preceding week, but this was expected, as a famine would have developed by this time otherwise. The interesting observation is that foreign consumers proved to have judged the market in a manner very costly to themselves. Had they covered their needs over the balance of the year two weeks ago they could have saved themselves ½¢ per pound. Yet in the era before the organization of the present two trade associations in copper the foreign consumers were invariably the shrewdest buyers, always gauging the market bottom and buying then. Domestic copper users are under contract for virtually the rest of the year. Though very few bookings for December have been put through, it is probable they overbought for November and that large quantities of November metal will carry over into the next month. On the other hand, foreign users have bought only 60 per cent of their October needs, but 15 per cent of their November needs and have taken practically no December copper. During the past week the export sales have been better relatively than domestic sales. Producers are not yet ready to

consider orders for delivery next year because meanwhile wage advances may go through and the selling price of copper be marked up again.

Meanwhile production of copper is being speeded, with the low-cost sections of the world being particularly active. Thus Katanga production in Africa is three times that of three years ago and a railroad is being rushed to completion, connecting the copper district with the West Coast. This will cause a great stimulus of production in the district.

Lead business has been brisker than average and would stand out in the limelight but for the greater activity in other major metals. Prices have been unchanged officially throughout the week at 6.50c per pound, New York, and 6.32½c, East St. Louis. However, there has been an appearance of easiness due to some backwash of prices from recent advances. In other words, producers in the Middle West who had held for 6.35c have dropped back to 6.32½c and a little lead was uncovered at 6.30c, but did not last long. Cable manufacturers and battery makers have been active purchasers.

Zinc prices are unchanged at 6.25c per pound for prime western, 6.35c for brass special and \$40 per ton for ore. Ore production for last week was unofficially estimated at 4,500 tons as against an average of 11,000 tons. However, this was the one week out of four in which most mines were closed down for the sake of reducing surplus stocks. Ore production in the tri-State district week before last was 10,000 tons.

Tin selling has been average. American tin deliveries to date have been only 500 tons less than in the corresponding period of 1926, which had been a record year.

Confidence Expressed in Birmingham District for Fourth Quarter—Steel Operations Steady.

Birmingham, Ala., October 1—[Special.]—The fourth quarter starts in with general conditions in iron and steel as fairly satisfactory. Bookings for foundry pig iron will care for several weeks probable make with requirements as surveyed to take care of a large proportion of the remainder. Many melters express confidence of activity throughout the last months of the year. Surplus stock of foundry iron has been materially reduced on furnace yards. The blast furnace operations include 18 iron-makers, of which number seven of the larger are producing basic, nine are on foundry and two are making special brand irons. With the exception of the last few days of the past month the buying has been steady, though in small lots, the aggregate being good compared to the total production. Now and then blast furnaces are turned from basic to foundry iron and vice versa. The Gulf States Steel Company started off its rebuilt blast furnace at Gadsden on foundry. No announcement is made as to increased production of iron though three furnaces are being made ready for possible use between the middle of October and November 1, one of these to be the rebuilt city No. 1 furnace of the Sloss-Sheffield Steel & Iron Company. The Woodward Iron Company and the Republic Iron & Steel Company, with Sloss-Sheffield will be in a position to increase their daily output by a few hundred tons of pig iron. Each of these companies have been taking iron from surplus where instructions to deliver were in excess of output.

Quotation for foundry iron is firm on the \$16.25 per ton base, No. 2 foundry. While intimation is heard of an advance in price week after week, consumers are buying for delivery during the entire three months at this price. The furnace companies begin delivery now on iron that was sold on the present base price, no sales being consummated, according to reports, at the \$15.50 price for delivery after the third

quarter. Some tonnage was sold during the last half of September at \$16.25, immediate delivery, but the bulk of the business at the new price will be handled the last quarter of the year.

Steel mills operations in Alabama, now on an average of a little more than 70 per cent capacity, promise to be steady for some time. The placing of an order for 60,000 tons of heavy rail by the Louisville & Nashville Railroad Company with the Tennessee Coal, Iron & Railroad Company, delivery during the last three months of this year and into 1929, had an encouraging effect and the rail mill continues in steady operation on the two shifts a day schedule. Other tonnages for rail are in sight. Sheet demands are still strong and structural and plate requirements are fairly good yet. There is much activity in the smaller shapes of steel, track fastenings and other products enjoying a splendid trade.

Fabricating shops are busy with numerous small lots. The Ingalls Iron Works Company is furnishing several hundred tons of structural steel to the Du Pont rayon mills at Nashville. The same firm is fabricating steel yet for the Gulf States Paper Corporation at Tuscaloosa, Ala., will furnish some tanks for the plant being erected by the International Paper Company at Mobile, and is pushing out another hangar and a station, 100 tons on each of the latter contracts, for an airway corporation out of Florida. The Virginia Bridge & Iron Company has completed delivery of 250 underframes to the Frisco railroad, cars being built at the Memphis shops, and 600 tons to the United States Cast Iron Pipe & Foundry Co., for the North Birmingham shops. Reeves Brothers Co. is shipping an average of 500 tons of plate weekly for storage tanks in the Texas oil field, contract being made for transportation via the Warrior river barge service on 2500 tons of plate during the present month. Hardie-Tynes Manufacturing Company has shipped a large Fourdriner machine for pressed-wood manufacture to Sweden, a machine similar to one used in the Masonite plant at Laurel, Miss. The Hardie-Tynes shops have a number of healthy contracts while the Birmingham Machine & Foundry Company and the Joubert-Goslin Machine & Foundry Company are producing sugar and chemical machinery.

Coal continues slow, domestic coal demand not coming up to expectations on a turn of weather conditions. Steam coal demand also continues lagging and as a consequence total production is much under last year. The coke market is somewhat better though by-product coke works are not being operated to capacity. Domestic coke is being used fairly well in the home territory with foundry coke showing improvement and being shipped in better quantity. Scrap iron and steel is unchanged, a few items on the old material list still moving well, with purchases made for next few weeks, heavy melting steel among the number. The product is quoted at from \$10 to \$10.75 per ton. Stove plate is in good demand.

Pig iron and iron and steel scrap quotations follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.25; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.75; iron of 2.75 to 3.25 per cent silicon, \$17.25; iron of 3.25 to 3.75 per cent silicon, \$17.75; charcoal iron, f. o. b. furnace, \$28.00.

OLD MATERIAL.

Old steel axles	\$16.00 to \$17.00
Old iron axles	16.00 to 17.00
Old steel rails	10.50 to 11.00
Heavy melting steel.....	10.25 to 10.75
No. 1 cast.....	13.00 to 13.50
Stove plate	12.00 to 12.50
No. 1 railroad wrought.....	9.50 to 10.50
Old car wheels	12.00 to 12.50
Old tramcar wheels.....	12.50 to 13.00
Machine shop turnings.....	8.00 to 9.00
Cast-iron borings	8.00 to 9.00
Cast-iron borings (chem.).....	13.00 to 13.50

The National Builders Supply Association and the Southern Builders Supply Association will hold their annual convention in December, at Memphis, Tenn.

GOOD ROADS AND STREETS

U. S. HOST TO EUROPEAN ROAD BUILDERS IN 1930.

MacDonald Returning From Paris Sees World-Wide Interest in Improved Roads and This Country Giant Highway Laboratory.

Washington, D. C.—Leading highway officials from all parts of the world are coming to the United States in 1930 to study American methods of road improvement and road use, according to word brought back from the recent sessions of the International Road Commission at Paris, by Thomas H. MacDonald, chief of the United States Bureau of Public Roads and chairman of the Highway Education Board.

Mr. MacDonald went to France as head of the official delegation representing the American Government at the road meeting. He later made an investigation into phases of highway development in many of the countries of Western Europe and in the British Isles.

"Not only was the invitation extended by our Congress through President Coolidge accepted unanimously," said Mr. MacDonald, "but from comments of delegates from other countries, it is evident there is a deep-rooted, world-wide interest in what is being done to improve highways here.

"The great distinction which exists between our program and that of other nations, is that while here the whole country has adopted motor transportation, elsewhere car use is still largely in the hands of a few.

"The rapid expansion in the United States faced our engineers with an urgent demand for the immediate improvement of hundreds of thousands of miles of highway. At the same time, increased valuations growing out of bettered transportation facilities and a moderate tax upon the vehicle itself made it actually cheaper for the public to have roads than to go without them, so that we were able to embark upon a construction program without parallel in the history of public works without dislocating our financial system.

"Concurrently, we were faced with the question of whether it was cheaper to build these roads slowly and laboriously by human labor as most other countries now do, or whether we should work out mass production methods and so meet the national demand quickly. Experience has demonstrated that the latter plan is by far the more efficient and less costly.

"Foreign highway engineers who are as well or better versed in the technique of road building as our own men, in the main are only now arriving at the stage where they must meet similar problems in their own countries, hence their interest in the sessions here in 1930.

"Further, because of the wide diversity of geographical, climatic and soil conditions in the United States, coupled with varying degrees of wealth and population, it is possible to approximate here the basic problems which confront engineers from abroad, whether they are interested in congested areas, such as England has, in primary roads, such as are needed in the newer countries, or in questions of mountain roads such as face Austria, Switzerland and other nations.

"So that the United States in 1930 will be a giant laboratory in highway development and motor transportation where highway officials from other countries will find an opportunity to see not only what has been accomplished from an engineering point of view, but also to observe both the social and economic influences which have been offered.

"At the same time, our engineers will have an opportunity to learn what is being done in other countries and to compare notes with their foreign colleagues."

Aside from Mr. MacDonald, members of the United States delegation to the International Commission were H. H. Rice, treasurer of the National Automobile Chamber of Commerce; Pyke Johnson, executive director of the Highway Education Board, and H. H. Kelly, Commercial Attache, representing the Department of Commerce.

An American committee will be named soon to take charge of the work of preparation for the Congress.

\$2,000,000 YORK RIVER BRIDGE UNDER WAY.

Steel Structure, 4300 Feet Long, to Replace Ferry.

Construction has begun on a \$2,000,000 bridge across the York River to connect Yorktown and Gloucester Point, Virginia, and to replace a ferry now operating between these two points. It will be owned by Highway Bridges, Inc., New York City, and will be operated as a toll bridge, providing a 24-hour service for travelers over the Tidewater Trail, of which it will be a link. One end of the structure will adjoin the old fortifications used by Cornwallis during the Revolutionary War, the remains of the battlements and trenches still being visible.

The bridge will be of steel construction, 4300 feet long, and will provide a vertical clearance of 135 feet for the passage of vessels, having the same vertical clearance as provided by the Brooklyn Bridge in New York. Robinson and Steinman, New York, are the engineers and construction will be handled by the McClintic-Marshall Construction Company, Pittsburgh, Pennsylvania.

Missouri County to Expend \$600,000 for Roads.

Clayton, Mo.—At an organization meeting of the County Supervisory Committee, it was agreed that \$600,000 from the \$10,000,000 road bond issue voted by St. Louis County several months ago be expended this year. Fred G. Zelig, Ladue Village, was elected chairman of the committee, and Eugene D. Ruth, University City, vice-chairman. Edward Stockho, Clayton, is secretary and Jefferson Smith, assistant secretary. Half of the amount to be expended this year will be used in incorporated cities and the other half on county roads.

Gulf Coast Highways Meeting.

As president of the Gulf Coast Highways Association, Jacksonville, Fla., Alfred I. duPont announces that the annual meeting of that organization will be held about October 20, at Tarpon Springs, Fla. "This," Mr. duPont adds, "will be the best and most important meeting the association has had, as the coming 12 or 18 months will see the culmination of its three years of strenuous efforts in behalf of the Florida road-building program."

Alabama Asks Bids on 107 Miles Roads.

Montgomery, Ala.—The State Highway Commission will open bids October 17 for constructing 10 road projects covering approximately 107 miles. The work will include 1.01 miles of grade and drainage construction, 26.57 miles of chert, 40.49 miles of gravel, 12.22 miles of sand clay, 13.47 miles of gravel and chert and 12.72 miles of top soil. In addition, the commission will receive bids for paving several streets in Montevallo.

\$3,815,000 Road Contracts Awarded in Texas.

Austin, Tex.—In a two-day session the State Highway Commission on September 18 and 19 awarded contracts to an aggregate of \$3,815,000 for the construction of roads, the first day's awards aggregating \$1,467,000 and the second day's \$2,348,000. The commission also granted aid of \$236,000 on highway projects.

The Louisiana Highway Commission, Baton Rouge, is having plans prepared by its bridge department for a 900-foot steel and concrete bridge across the Sabine River, to cost about \$170,000.

TEXTILE

Additional Machinery for Pepperell Mills.

The Pepperell Manufacturing Company whose executive offices are in Boston, Mass., is moving 300 40-inch Draper looms, opening equipment, 18 spinning frames and a considerable amount of miscellaneous machinery from its plant at Lowell, Mass., to its plant at Opelika, Ala. The Pepperell company has also purchased 100 cards from the Manomet Mills, New Bedford, Mass., and is installing them in its Opelika mill to replace cards which it already has there. The Opelika mill is at present equipped with 24,000 spindles and 1022 looms for the production of coarse cotton goods. In addition to the Lowell and Opelika mills, the Pepperell Manufacturing Company operates mills at Biddeford, Maine, and Lindale, Ga., and a bleachery at Lewiston, Maine.

Philadelphians Buy South Carolina Mill.

Autun, S. C.—The LaFrance Textile Industries, Inc., Philadelphia, Pa., have purchased the properties here of the Pendleton Manufacturing Company, at a reported cost of more than \$650,000. At present there are 32,200 ring spindles and 32 looms in operation in the Pendleton mill, producing laundry nets and velours for upholstering purposes. The plant is being enlarged by the addition of a new weave shed and the construction of 25 additional cottages for operatives. These improvements will double its output, it is said, although the LaFrance company plans a further increase.

Yarn Testing Plant for Charlotte.

Charlotte, N. C.—Moses L., Harry H. and Samuel Jass have incorporated the United States Conditioning, Analyzing and Testing Company for constructing a \$100,000 plant for testing, analyzing and conditioning yarns and fabrics. The company has purchased a site and will erect a steel and concrete building, the plant to operate in connection with the new plant being built here for Jass Brothers, Inc., Atlanta and Philadelphia, for the production of textile novelties.

Belmont Hosiery Mill Begins Operations.

Belmont, N. C.—The Belmont Hosiery Mill, R. L. Stowe, Jr., president, has begun the production of men's silk hose. The plant is modern and is equipped with 20 machines. Officers of the company, in addition to Mr. Stowe, include C. W. Kale, vice-president; R. F. Cox, secretary-treasurer, and A. C. Gregg, superintendent.

Norris Mills Installing 9000 Spindles.

Cateechee, S. C.—The Norris Cotton Mills Company is installing approximately 9000 new spindles to replace some old ones, the installation to require about two months. The Norris mills at present operate about 20,000 ring spindles and 440 broad looms, with complementary machinery, for the production of converter's goods.

New Equipment for Gaffney Textile Mill.

Gaffney, S. C.—The Gaffney Manufacturing Company has ordered from the Steel Heddle Manufacturing Company, Philadelphia, Pa., full loom harness equipment for its new weave room here. The order calls for more than 2,000,000 steel heddles.

Columbia, S. C.—The Carolina Bag and Bagging Company, recently organized with R. E. Blumenfeld, Savannah, Ga., as president, plans to establish a plant here to reclaim waste material from cotton mills and to manufacture jute bagging.

Mill to Operate on 24-Hour Basis.

Tulsa, Okla.—At Sand Springs, an industrial suburb of this city, the Commander Mills, Inc., engaged in the production of wide sheeting and pillow cases, will shortly be operating on a 24-hour a day basis, necessitating an increase in the number of employees. Over 400 operatives are now engaged. A complete mill village with all modern facilities is nearing completion.

Calumet Cotton Mills Acquire Three Plants.

La Grange, Ga.—The Calumet Cotton Mills, organized here with Cason J. Callaway, president, has taken over two cotton mills at Hogansville, Ga., and one here, known as the New England Southern Mills. The deal is said to involve \$1,500,000 plus inventory, which will bring the purchase price close to \$3,000,000. It is understood that no changes will be made in the management and policies of the mills.

Oakhurst Company Organized.

Clarksdale, Miss.—The Oakhurst Company, cotton growers and factors of this city, have organized under a Mississippi charter with a capital and surplus of \$500,000. The company has taken over the cotton factorage business of Herrin Brothers Cotton Company, Clarksdale, and will put its cotton sales department in charge of Franklin Robinson, who has been connected with the Herrin organization for several years. It will continue its planting and farming business. E. L. Anderson is president of the company.

70 Dwellings for Joanna Cotton Mills.

Goldville, S. C.—Contract for erecting 70 dwellings for operatives has been awarded by the Joanna Cotton Mills to the Fiske-Carter Construction Company, Greenville, S. C., at approximately \$100,000. The Fiske-Carter Construction Company is now erecting a structure for the Joanna mills to accommodate about 50,000 additional spindles, which will increase the number to more than 80,000 spindles. The mill also operates about 700 looms for the production of shade cloths. Lockwood Greene Engineers, Inc., Spartanburg, are the engineers.

Philadelphia Firm Purchases Georgia Mill.

Rome, Ga.—The McLin Textile Mills here have been purchased by the Primrose Tapestry Company, Inc., Philadelphia, Pa., which plans to enlarge the floor space of the mill by 30,000 square feet and employ 150 operatives. New machinery will be installed as soon as the purchasers can take possession of the property. The Primrose company operates a mill for the production of cotton dress goods and trousering, and it is understood that the McLin mill will make the same products until improvements have been completed, when it will produce tapestry curtains, table covers and novelties.

American-Bemberg Corporation Plans Capital Increase From \$17,500,000 to \$31,500,000

Johnson City, Tenn.—According to an announcement here the American-Bemberg Corporation, Dr. Arthur Mothwurrff, president, will increase its capital stock from \$17,500,000 to \$31,500,000 to provide for additional equipment and expansion of its big rayon plant at Bemberg, near Elizabethton. The company has about completed two units at an approximate cost of \$7,000,000 for the production of Bemberg yarn. It is now considering the construction of the third unit. Lockwood, Greene and Company, New York, are the engineers.

NEW AND IMPROVED EQUIPMENT

Duolux Floodlighting Units.

With the increased use of floodlighting for office buildings, business establishments and other edifices, there has come a new type of street lamp, known as the Duolux, a product of the Westinghouse Companies. The Duolux unit consists of an ornamental lantern with glass canopy, equipped with two lamps, one in the canopy burning base up and one in the body of the lantern burning base down. This permits floodlighting and thoroughfare illumination from a single unit and standard.

A chromium plated parabolic reflector, mounted on adjustable supports, is attached to the frame of the lantern and projects the light from the upper lamp toward the building which is to be illuminated, thus providing an ornamental housing for a concealed floodlight. The lower lamp serves the purpose of an ordinary street lamp.

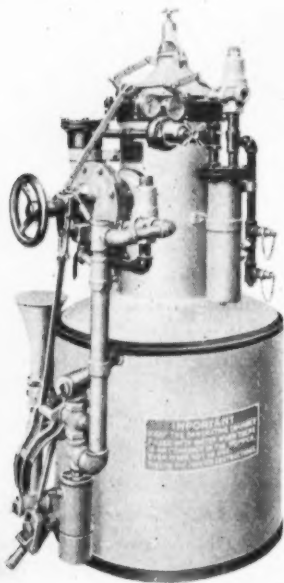
A description of this unit, together with illustrations showing installations, is given in a special publication, L-20363, of the Westinghouse Electric and Manufacturing Company.



"DUOLUX" FOR STREET LIGHTING.

Medium Pressure Acetylene Generators.

Three medium pressure-type acetylene generators for welding and cutting have been placed on the market by the Oxweld Acetylene Company, Forty-second street, New York City. The type MP-2, built in two sizes, having 50 and 100 pound carbide capacity, respectively, replaces the earlier generator, while the type MP-3, having 300 pounds carbide capacity, is entirely new. These three generators are suitable for supplying pressure-type or medium pressure welding and cutting blowpipes.



OXWELD GENERATOR.

In the type MP-2 the feed mechanism has been redesigned to make the carbide shut-off more positive and a new method is used to stop the carbide feed positively in case the diaphragm breaks or zero pressure exists in the generator due to any other cause. A new regulator is furnished, of the stem type, having a large stem and seat to provide ample capacity, and is equipped with two gauges, to indicate the pressure in the generator and the pressure in the delivery line. The hydraulic

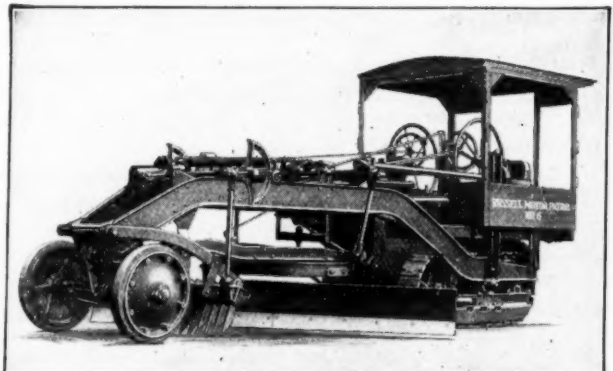
back pressure valve has been simplified, and the vertical pipe, leading downward to the back pressure valve and extending below the surface of the water, is fitted with an angle check valve. The two relief valves have larger capacity and are less likely to leak than the older devices. A desirable feature consists of interference levers which unseat the relief valves each time the generator is recharged. The type MP-2 generators use $\frac{1}{4} \times \frac{1}{12}$ inch carbide.

In the type MP-3, the feed is driven by a motor actuated by a weight. The operating pressure can be changed by turning the adjusting nut on the feed control. This generator uses $1\frac{1}{4} \times \frac{3}{8}$ inch carbide, and the overall height is slightly over 120 inches.

Russell Motor Patrol.

A new motor patrol has been announced by the Russell Grader Manufacturing Company, Minneapolis, Minn., called the Russell motor patrol No. 6 and built expressly for the "Caterpillar" 20 tractor. The circle on the No. 6 is reinforced with an extra angle iron, and has a 58-inch diameter, which gives a better support to the blade. The circle is provided with a clamp, consisting of a screw clamp contact to the circle. There is a plate on the end of the screw which comes in contact with the circle, preventing the circle from becoming defaced.

The blade side shift is a rack and pinion type, operated by



BUILT FOR THE "CATERPILLAR" 20 TRACTOR.

a worm and gear enclosed in a metal housing. The blade lift is worm and gear type, and the gear is of the ring type and may be shifted to five different positions for wear. Ball and socket connections are used in lifting links, the ball bearing $2\frac{1}{2}$ inches in diameter and the sockets split and steel shimmed to allow for take-up. The compensating spring blade lift consists of a tension spring applied over an equalizer cam and the spring is adjustable to suit the load. The drawbars are hooked up to a "Universal" connection, which allows free motion without play, and Timken bearings are used in front wheels.

Tractor connections are centrally located. The grader unit is pivoted centrally to the track frame with stops in front and rear; the metal cab may be entirely enclosed; and the scarifier attachment is independent of the blade. A snow plow attachment may be furnished, which makes the Russell an all season unit. Weight with scarifier, 8850 pounds; wheelbase, 210 inches; front tread, 52 inches; rear tread, 42 inches. The new model is being built in a new plant, recently completed.

The City of Louisville, Kentucky, will vote November 6 on a bond issue of \$3,000,000 for schools.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Md., Baltimore—City considering voting Nov. 6 on \$2,500,000 bonds for airport.

Md., Rockville—Congressional Air Port, Inc., capital \$50,000, incorporated; Harry M. Horton.

Mo., Kansas City—American Eagle Aircraft Co., 2800 E. 13th St., will offer 200,000 shares of no par common stock through Billings, Ward & Co., New York; proceeds will be used to enlarge plant.

Mo., Boonville—Boonville Air Port Corp., capital \$25,000, incorporated; John E. Walterschied, A. A. Wallace.

Okla., Bartlesville—City plans establishing airport and exposition ground.

Tex., Brownsville—City will expend \$17,000 for lighting equipment for municipal airport.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Birmingham—City, Eunice Hewes, Clk., Southern Ry. System, B. Herman, Ch. Engr., Washington, D. C., and Louisville and Nashville R. R., W. H. Courtenay, Ch. Engr., Louisville, plan receiving bids soon for \$4,000,000 underpass and viaduct work: Open underpasses at Twentieth, Eighteenth and Fourteenth St.; reconstruct Twenty-second St. viaduct. 9-13

Ala., Huntsville—War Dept., Washington, D. C., approved plans of Alabama State Bridge Corp., Montgomery, for bridge across Tennessee River, 10 mi. south of Huntsville. 8-9

Ala., Whitesburg—Alabama Bridge Corp., Montgomery, will begin, this autumn, construction of Tennessee River Bridge, Whitesburg. 8-16

Ark., Fayetteville—Washington County, H. L. Baker, Judge, receives bids Oct. 6 for bridge over Richland Creek between Phillips' and Shoffner Farms; one 100 and one 80-ft. spans; 16-ft. roadway.

Ark., Osceola—Bd. of Comms. Sub-Dist. No. 4, of Drainage Dist. No. 9, Mississippi County, R. E. Wilson, Jr., Chmn., receives bids Oct. 9 for 500 lin. ft. timber bridges and trestle; Morgan Engineering Co., Goodwyn Inst., Memphis, Tenn.

D. C., Washington—Dist. Comms. received low bid from Whiting-Turner Construction Co., Stewart Bldg., Baltimore, Md., \$132,039, for steel girder M St. Bridge over Rock Creek. 9-6

D. C., Washington—Arlington Memorial Bridge Comn., Room 1613 Navy Bldg., receives bids Oct. 5 for 400-ft. long, 94-ft. wide conc. bridge over Boundary Channel, granite foundation; 400 tons rein. steel; 300 tons struct. steel; 53,000 cu. ft. granite; estimated cost \$600,000; John L. Nagle, Designing Engr., 3800 14th St., N. W.; W. J. Douglas, Consit. Engr. Lately noted bids Sept. 28. 9-6

Fla., Dunnellon—Marion County Comms., Ocala, plan 150-ft. bridge over Blue Run River, on Ocala road, east of Dunnellon; five 30-ft. spans, 20-ft. wide in clear; awaiting approval by government.

Ga., Valdosta—City plans re-building Old Troupville Bridge, recently damaged by floods; creosoted piling; treated timbers.

Kentucky—State Highway Comn. receives bids for 2 overhead crossings. See Roads, Streets, Paving.

Ky., Milton—National Toll Bridge Co., Murray McConnell, Sec., started construction of toll bridge between Milton, Ky., and Madison, Ind.; J. G. White Company, 43 Exchange Place, New York, promoters and underwriter of span.

La., Baton Rouge—East Baton Rouge Parish Police Jury, F. A. Woods, Sec., receives bids Oct. 9 for 430-ft. conc. culvert to Phelps St., Edgewood Lawn; A. G. Mundinger, Engr.

La., Merryville—Louisiana Highway Comn., Baton Rouge, preparing plans for 900-ft. steel trusses, conc. piers, Sabine River Bridge, Merryville, Beauregard Parish; estimated cost \$170,000. 9-27

La., New Orleans—Louisiana Highway Comn., Baton Rouge, receives bids Oct. 18 for 540-ft. creosoted timber, north bulkhead for Rigolets Bridge, Chef Menteur Highway, Orleans Parish; 53,000 F.B.M. creosoted lumber, 5900 lin. ft. creosoted piling; J. M. Fourmy, State Highway Engr.

Maryland—State Roads Comn., Baltimore, receives bids Oct. 9 for 4 bridges in Charles County: Single 20-ft. span rein. conc. slab, on road from Mason Springs to Chicomuxen, Cont. Ch-52; single 20-ft. span, rein. conc. slab at Marbury, on Mason Springs to Marbury road, Cont. Ch-53; single 20-ft. rein. conc. slab, 1 mi. east of Hill Top, on Welcome to Hill Top road, Cont. Ch-54; double span rein. conc. girder bridge, each span 23 ft. 9 in., over Port Tobacco Creek, La Plata to Mason Springs, Cont. Ch. 55; John L. Mackall, Chmn.

Md., Annapolis Junction—Dist. Comms., Washington, D. C., receive bids Oct. 11 for steel bridge over Little Patuxent River, at District Training School, near Annapolis Junction; also approaches and one conc. culvert.

Md., Baltimore—City, Charles F. Goob, Ch. Engr., plans calling for bids about Feb. 1, 1929, for Hanover St. viaduct, to be built by city, B. & O. R. R., H. A. Lane, Ch. Engr., and Western Maryland Ry., H. R. Pratt, Ch. Engr.; Wm. F. Broening, Mayor; eliminate grade crossings. 1-5

Miss., Edwards—Illinois Central Ry. Co., A. F. Blaess, Ch. Engr., Chicago, Ill., will re-build 550-ft. creosoted timber trestle approach to railroad bridge across Big Black River, near Edwards, recently destroyed by fire; loss estimated \$100,000.

Miss., Forest—Town, Mayor and Bd. of Aldermen, receive bids Oct. 15 for conc. bridge over Dog River, Main St.

N. C., Charlotte—Mecklenburg County plans repairing Tremont Ave. Bridge over Erwin Creek, connecting city and county, recently damaged by storm; Lloyd Ross, County Highway Engr.

Oklahoma—State Highway Dept., Oklahoma City, received low bids for bridges. See Roads, Streets, Paving.

Okla., Hollis—Harmon County plans 5-span 116-ft. rein. conc. bridge over Salt Fork near Hollis, \$30,000; C. Coon, Engr., Guthrie.

South Carolina—State Highway Comn. received low bids for 3 bridges. See Roads, Streets, Paving.

S. C., Gaffney—Cherokee County Comms., E. Wright Jolly, Supvr., plan repairing or rebuilding Thickety Creek Bridge.

S. C., Greenville—Greenville County, H. Posey Dill, Supvr., received low bids for 4 bridges: From Greenville Steel and Foundry Co., 120 Markley St., for single span steel bridge at Batesville, and McKittrick Bridge over Reedy River; from L. C. Ashmore & Sons, rein. conc. span on Paris Mountain road, and wooden bridge on Thomason's store road, near Lee Vaughns. 9-20

Tennessee—Dept. of Highways and Public Works receives bids for 53 bridges. See Roads, Streets, Paving.

Tenn., Knoxville—Road Comn. plans receiving bids for conc. Beaver Creek Bridge on Brown Gap road; Steel & Leiby, Holston Bank Bldg., will design structure.

Texas—State Highway Comn. receives bids for bridges. See Roads, Streets, Paving.

Tex., Albany—Shackelford County plans underpass and approaches at Acampo. See Roads, Streets, Paving.

Tex., Port Aransas—Nueces County Comms., Corpus Christi, plan expending \$100,000 to rebuild Don Patricio causeway.

Tex., Port Aransas—Maj. W. R. Swan, representing Kansas City capitalists, announces 6-mi. causeway over tracks of Aransas Harbor Terminal Ry., linking new deep water port at Port Aransas with Aransas Pass and mainland to be completed this winter.

Contracts Awarded

D. C., Washington—Arlington Memorial Bridge Comn., Room 1613 Navy Bldg., let contracts for Boundary Channel Bridge, in connection with Arlington Memorial Bridge Project, across Boundary Channel of Potomac River: Part 1—North Carolina Granite Corp., Mt. Airy, N. C.; Parts 2 and 3—Hallowell Granite Works, Augusta, Me.; Parts 4 and 5—Woodbury Granite Co., Burlington, Vt.; Bascule Draw Span—Phoenix Bridge Co., Phoenixville, Pa. 8-30

Missouri—State Highway Comn. let contracts for bridges. See Roads, Streets, Paving.

Mo., Courtney—Foundation Co., 120 Liberty St., New York, reported, has contract for substructure for bridge, over Missouri River, recently purchased by National Toll Bridge Co.; J. G. White Engineering Corp., 43 Exchange Place, New York, in charge. 4-26

S. C., Beaufort—Baxter-Allen Iron Works, Inc., Gaillard St., Charleston, have contract for steel work on Jericho Creek Bridge to Parris Island.

S. C., Gaffney—Cherokee County Comms., E. Wright Jolly, Supvr., let contract to Southern Engineering Co., Charlotte, for 93-ft. double width steel bridge over Limestone Creek, Goucher road; replace one-way bridge recently destroyed by flood.

Tenn., Knoxville—Harrison, Walters & Prater, White Pine, Tenn., have contract for North Broadway underpass to eliminate grade crossing of Southern Ry., near White Springs. 4-5

Tex., Cleburne—Austin Bros., 1815 Coombs St., Dallas, has contract, \$12,000, for rein. conc. bridge over Buffalo Creek, Henderson St.; 34-ft. roadway, 4-ft. walkways.

Va., Stanleytown—Henry County Bd. of Supvrs., Martinsville, let contract to Roanoke Bridge and Iron Works, Roanoke, \$6700 for steel Smith River Bridge, at Stanleytown.

Va., Yorktown—Highway Bridges, Inc., 57 William St., New York, awarded contract to McClintic-Marshall Construction Co., Oliver Bldg., Pittsburgh, Pa., to build steel bridge across York River between Yorktown and Gloucester Point, 4300 ft. long, 135 ft. clearance; Robinson & Steinman, Engrs., 25 Church St., New York.

W. Va., Charleston—See Roads, Streets, Paving.

Canning and Packing Plants

Fla., Leesburg—Lake County Growers, Inc., capital \$40,000, chartered; G. N. Wing and C. N. Williams; operate packing house acquired from E. B. Peter.

Fla., Vero Beach—S. D. Chase & Co. construct canning plant.

Tenn., Athens—J. W. Gillespie Co., Bedford, Va., plans establishing canning plant in McMinn County.

Clayworking Plants

Tex., Houston—Aztec Brick Co., incorporated; H. G. Fields, Pub. Natl. Bank Bldg.

Coal Mines and Coke Ovens

Kentucky—A. R. Floeberg, Rockport, Ill., acquired property of Kentucky Royalty Coal Co. in Hopkins and Muhlenberg Counties.

Concrete and Cement Plants

Tex., Dallas—National Portland Cement Co., capital \$150,000, incorporated; H. J. Harris, 4425 Normandy St.

Tex., Port Aransas—Monolith Portland Cement Co., reported, erect \$2,500,000 cement plant on Harbor Island.

Tex., Waco—Atlas Portland Cement Co., 25 Broadway, New York, reported, filed application for charter, with capital of \$2,000,000; acquired about 500 acres of land along McGregor Road, and erecting plant with capacity 1,000,000 bbls. annually, designed by company's engineers and construction under their supervision.

Cotton Compresses and Gins

La., McDade—McDade Gin Co. incorporated; Ross E. and J. T. McDade.

Tex., Crosby—Crosby Gin Co. incorporated; Joe King, J. W. Manda.

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Birmingham—Birmingham Electric Co. will offer additional issue of \$3,000,000 first and refunding mortgage gold bonds, 4½% series, due 1968, through Harris, Forbes & Co., Bonbright & Co., Inc., Tucker, Anthony & Co., all New York, and Old Colony Corp., Boston, Mass.; company supplies electric power, domestic gas service and practically entire electric railway service in Birmingham, Bessemer and Fairfield and electric light and power service in 8 adjacent communities.

Ala., Mobile—City receives bids Oct. 30 for installation white way lighting venture No. 1. See Want Section—Bids Asked.

Ala., Wylam, Sta. Ensley—John Nolan and Marvin Walker Committee for white way system.

Ark., Camden—Fulton Iron Works, 1259 Delaware St., St. Louis, Mo., has contract at \$39,114 for 625 h. p. oil engine electric generator in city power plant.

Ark., Hot Springs—Sleepy Water Co. plans \$35,000 power plant in Sleepy Springs district.

Ark., Searcy—Arkansas Power Co., reported, subsidiary of Arkansas Power and Light Co., Pine Bluff, filed plans and specifications with Arkansas Railroad Comsn., Little Rock, for proposed dam over Little Red River near here.

Fla., Brooksville—Florida Power Corp., St. Petersburg, reported, negotiating for franchise.

Fla., Palmetto—City receives bids Oct. 22 for power and pumping plant building, equipment, etc. See Want Section—Bids Asked. 9-6

Fla., Tampa—Tampa Electric Co. will erect sub-station on Chippewee Ave., Davis Islands; Spanish design, 95x80 ft., stained wood, cast stone, ornamental iron, roof tile; capacity 3000 kw.; Frank Dunham, Archt., 608 Tampa St.

Ga., Augusta—Stockholders of Augusta-Aiken Railway and Electric Co., and Georgia-Carolina Power Co., will meet Oct. 22 at North Augusta, S. C., to consider plans for consolidating the South Carolina Power Co., Edisto Public Service Co., Augusta-Aiken Railway and Electric Corp., and Georgia-Carolina Power Co., under name of South Carolina Power Co. 7-26

Ky., Horse Cave—Kentucky Utilities Co., Starks Bldg., Louisville, plans 6600 volt transmission line Horse Cave to Mammoth Cave, distance of 15 miles; cost \$30,000; erect substation; furnish power for Great Onyx Cave and Crystal Cave.

Ky., Middlesboro—City, H. H. Hutcheson, Commr., considering water and light plant.

La., New Orleans—Constr. Q. M., War Dept., Washington, D. C., let contract to Busch-Sulzer Bros., Diesel Engine Co., 3300 S. Second St., St. Louis, Mo., for constructing Diesel electric power plant, Fourth Mississippi River Dist.

Miss., Hickory Flat—Dixie Construction Co., 618 N. 18th St., Birmingham, Ala., completed survey for Mississippi Power Co., Gulfport, for electric line, Winborn and Potts Camp to Hickory Flat; plant at Myrtle will supply electric current.

Mo., Poplar Bluff—Joe Thomasson, Repr. of Westinghouse Electric Co., St. Louis, negotiating with city for installation of white way system.

N. C., Sparta—Jupollo Public Service Co., Cleveland, Ohio, acquired electric power plant; construct at once, high tension power line to Sparta from lines of Southern Power Co., at Roaring Gap; later may extend lines through Alleghany, Ashe and Watauga, supplying towns of Jefferson, Boone and Blowing Rock.

Oklahoma—Public Service Co. of Oklahoma, Tulsa, lately noted acquiring properties of Southwest Power Co., serving 18 communities in Oklahoma; will supply gas and electric service to McAlester and electric service to Wilburton and Hartsborne and 15 other towns in eastern Oklahoma; acquired transmission lines extending from McAlester south to Kiowa and east to Arkansas lines; purchased stock control of Pittsburgh County Railway Co., operating in McAlester; has under construction 35 miles transmission lines extending from Weleetka power station across county to McAlester, between Nowata and Bartlesville; transmit electricity to Bartlesville and Dewey from main plant at Tulsa. 9-20

Okla., Wanette—Oklahoma Gas and Electric Co., Oklahoma City, reported, acquired electric light and power properties.

Tenn., Memphis—State Railroad and Public Utilities Comsn., Nashville, approved petition of Empire Power and Light Co. for issuance of \$3,000,000 bonds at 4½% and sale of \$1,000,000 worth of preferred stock of \$6 series; proceeds for improving and extending service.

Tex., Conroe—Gulf States Utilities Co., Beaumont, construct high line into Navasota district from here, distance of 40 miles; erect sub-station.

Tex., Denton—City Comsn. will expend \$27,000 for new unit and pump for municipal power plant, and erect building to house power plant and municipal ice plant; J. P. Greenwood, Allen Bldg., Dallas, Mech. Engr., will prepare plans.

Tex., Denton—See Water Works.

Tex., Houston—Houston Lighting and Power Co., let contract to Don Hall, Cotton Exch. Bldg., at \$261,000 for first unit of buildings at Canal and Greenwood in Magnolia Park; buildings include general service, combination office, warehouse, garage and recreation buildings; 168x368 ft.; brick, rein. conc. construction.

Tex., Laredo—Central Power and Light Co., San Antonio, installing underground lighting system; M. M. Valentine, Dist. Engr.

Tex., Los Angeles—T. W. Hooks, Donna, applied to State Water Bd., Austin, for permission to appropriate 150,000 acre ft. of water from Frio River for power and irrigation; dam to be 16,400 ft. long and impound 600,000 acre ft. of water.

Tex., Wellington—West Texas Utilities Co., Abilene, constructing 27 mile line Wellington to Shamrock; cost \$100,000; L. E. Myers Construction Co., Athletic Bldg., Dallas, in charge of work; later plans extension to Quail, distance of 14 miles.

Virginia—Virginia Public Service Co., Charlottesville, plans constructing dam at head of Goshen Pass to utilize North River water power; applied to State Corporation Comsn., Richmond, for license.

Va., Mineral—Virginia Public Service Co., Charlottesville, acquired Louisa County Light and Power Co.; extend lines to here from Charlottesville.

W. Va., Belle—Du Pont Engineering Co., Wilmington, Del., let contract to Virginia Bridge and Iron Co., Roanoke, Va., for 130 tons fabricated struct. steel for power station.

W. Va., Keyser—Keyser Light and Power Co. plans extending power line, Keyser to New Creek.

Fertilizer Plants

Md., Baltimore—Davison Chemical Co., Garrett Bldg., purchased controlling interest of Read Phosphate Co., Savannah, Ga., with plants at Charleston S. C.; Cordele, Ga.; Nashville, Tenn., and New Albany, Ind.; also purchased control of Welch Chemical Co., Columbus, Ohio; Porter Fertilizer Works, Atlanta, Ga., and Gulfport Fertilizer Co., Gulfport, Miss.; with Baltimore plant and 16 other plants, company will have annual production of 180,000 tons of fertilizer.

Foundry and Machine Plants

N. C., Greensboro—Gibbs Machine Co., capital \$100,000, incorporated; John G. Bentley, 207 N. Park Drive; R. A. Gibbs, Jr.; carry on business of R. A. Gibbs Machine Co.

Okla., Sand Springs—Tulsa Rolling Mill Co., Tulsa, reported, erect plant to consist of 2 main 1-story units, 135x430 ft., for rolling mill and open-hearth plant.

Gas and Oil Enterprises

Arkansas—United Public Utilities Co., offering 15,000 shares of \$6 dividend series preferred stock without par value through Thompson, Ross & Co., and Hale, Waters & Co.; company a New Jersey corporation, through operating subsidiaries furnishes ice service to number of communities in Anniston and Mobile, Ala., Fort Worth, Tex., Fort Smith, Ark., and in Louisiana, and gas to Fort Smith, Ark.; all of common stock of company is owned by United Public Service Co., 100 W. Monroe St., Chicago, Ill.

Ark., Camden—Houston Oil Co. of Texas, Houston, Tex., reported, let contract to Petroleum Iron Works, Petroleum Bldg., Houston, for 55,000 bbl. steel storage tank on farm at Herbert, 2 miles south of city; add 4 such tanks later; probably improve refinery.

Ark., El Dorado—W. D. Wingfield and associates making survey for 4-in. pipe line from Oakland, La., field to Strong, 9 miles; construction begin soon.

La., Monroe—United Carbon Co., Charleston, W. Va., acquired property of Louisiana Gas Products Corp. in Ouachita and Moorehouse parishes, including gasoline plant, gas wells, pipe lines, etc.

La., Monroe—Urania Producing Co., Inc., capital \$25,000, incorporated; E. Q. Hyde, 413 N. Fourth St.

La., New Orleans—Big Dome Drilling & Development Co., Inc., capital \$100,000, chartered; Frank L. Nairne, 1219 Valence St.

La., New Orleans—Jefferson Lake Oil Co., Inc., chartered; Arthur Barba, Sr., 935 N. Salomon St.

La., New Orleans—Tauli Oil Co., Inc., capital \$100,000, chartered; Chas. Weinberger, 7022 St. Charles Ave.

La., Shreveport—Oilfield Exploration Co., Inc., chartered; R. Lott, 1516 Coty St.

La., Shreveport—Pyramid Oil and Gas Co., incorporated; C. E. Burt, 6411 Caddo St.

La., Shreveport—East Texas Gas Co., Inc., capital \$50,000, chartered; C. W. Beckman, W. R. Ford.

N. C., Greensboro—McLaird Oil Co., incorporated; L. H. Martin, Amer. Bank Bldg.

Oklahoma—Hope Engineering Co., Mt. Vernon, Ohio, closed contract with Sinclair Pipe Line Co., Sinclair Bldg., Tulsa, for 336 miles of 8, 10 and 12-in. oil line, laid in various loops, acetylene welded, paralleling present Sinclair pipe line system between Drumright and Chicago. 8-23

Okla., Cheyenne—City plans \$25,000 natural gas system.

Okla., Fletcher—City, J. Daniels, Mayor, plans \$25,000 natural gas distribution system.

Okla., Gould—Lone Star Gas Co., 1915 Wood St., Dallas, Tex., plans \$25,000 natural gas system.

Okla., Hammon—City, G. Wesley, Mayor, plans \$25,000 natural gas system.

Okla., Tulsa—Naphen & Co., 14 Wall St., New York, reported, acquired control of Superior Oil Corp.; owning 65,000 acres oil land in Kentucky, Oklahoma, Kansas and Texas as well as 60,000 acres undeveloped leases, about ¼ of which are in Texas; H. G. Davis, Pres.

Tex., Amarillo—Producers Utilities Corp., increased capital, \$100,000 to \$400,000.

Tex., Beaumont—Yount-Lee Oil Co., San Jacinto Life Bldg., let contract to Reeves Bros. Co., Martin Bldg., Birmingham, Ala., for constructing 30 steel tanks, each of 55,000 bbls. capacity at main tank farm adjacent to Spindle Top.

Tex., Crane—Phillips Petroleum Co., Bartlesville, Okla., erecting Crane-Upton gasoline plant; construction by owners; have arranged for all equipment locally. 10-6

Tex., El Paso—United El Paso Oil Corp., capital \$50,000, incorporated; Cyrus H. Jones, Caples Bldg.

Tex., Houston—Houston Natural Gas Co. applied to city council, for permission to lay 38,800 ft. of gas mains.

Tex., Houston—Coastal Oil Finding Co., capital \$35,000, incorporated; H. A. Myer, Gulf Bldg.

Tex., Houston—Petroleum Pipe Line Co., capital \$80,000, incorporated; J. H. Reynolds, Esperson Bldg.

Tex., Oakdale—W. A. Meser, representing Chicago capitalists, reported, interested in building pipe line from Sunbright oil fields to supply natural gas for Oakdale, Harri-man and Rockford; cost about \$150,000.

Tex., San Angelo—Rio Pecos Oil Co., capital \$75,000, incorporated; L. B. Horton, S. H. Humphreys.

Tex., San Angelo—Williams & Williams Drilling Co., incorporated; P. H. and N. M. Williams.

Tex., San Antonio—Hixdixbeeb Corp., incorporated; Marshall Hicks, Hicks Bldg.

W. Va., Charleston—Hamilton Gas Co., 407 Kanawha Natl. Bank Bldg., acquired oil and gas holdings in Cabel County of Aetna Oil and Gas Co.

Ice and Cold-Storage Plants

Ga., Hawkinsville—S. O. Kennedy acquired plant of Hawkinsville Ice and Cold Storage Co., Houston St.; will improve and enlarge.

Ky., Somerset—R. J. Smith Co., Somerset, contemplates installing cold storage plant in building at Somerset; also one at Burnside; use electric power, 12x14 ft.

Miss., Hattiesburg—Marvel Ice Scoring Machine Co., capital \$100,000, incorporated; George Kemp, Sr.

Okla., Tulsa—C. H. Walbert, 39th and Penn Sts., Oklahoma City, applied to Corp. Comm., Oklahoma City, for permit to construct 75-ton ice plant.

Tex., Brownsville—Central Power and Light Co., Frost National Bank Bldg., San Antonio, erect \$38,000 cold storage plant; brick, 38x58 ft.; day labor.

Tex., Brownwood—Central Texas Ice Co., capital \$100,000, incorporated; M. B. Morgan, L. F. Trool.

Tex., Dallas—City Comm. granted permit to I. U. Ruiman for erecting ice plant, 2501 Second Ave.

Tex., Denton—See Water Works.

Tex., Houston—Horlock Ice Co., 902 Hagan St., incorporated; H. F. Montgomery.

Tex., Temple—T. V. Lawson acquired site at N. Third and Calhoun Sts.; will erect building for ice plant; conc., hollow tile.

Land Development

Ala., Montgomery—Realty Development and Improvement Co., incorporated; Davis F. Stakely, 1428 S. Perry St.

Ark., Marianna—City develop 20 acres on Moro Pike for cemetery.

Fla., Miami—Barto Groves, Inc., chartered; C. I. Brooks, Realty Bld. Bldg.

Fla., Orlando—International Fruit Corp. changed name from Standard Growers Exchange of Florida; company is subsidiary of DiGiorgio Fruit Corp., 25 Broadway, New York City; International Fruit Corp. acquired entire outstanding capital stock of American Fruit and Steamship Corp. and produces and markets citrus fruits.

Fla., Pensacola—Clifford G. Murphy, 104 W. Jackson St., and B. R. Heinberg, acquired 34 acres in Brentwood section.

Fla., Winter Haven—Linger & Sons, Inc., chartered; E. C. Linger, 725 N. Central Ave.

Ky., Louisville—C & J Realty Co., capital \$50,000, incorporated; Charles Bensinger, 1901 S. Third St.

La., Hammond—Joan Development Co., Inc., capital \$60,000, incorporated; Robt. E. and Aleene L. Dalton.

La., Monroe—City acquired 137 acres for park purposes, development not to begin until 1929.

La., New Orleans—Marth Realty Co., Inc., capital \$30,000, incorporated; E. H. Schill, 1345 Crete St.

Md., Baltimore—A. and B. Realty Corp., 104 Hopkins Place, incorporated; Max Char-kow.

Md., Baltimore—William C. Gephardt Building Co., Calvert Bldg., incorporated; Harry Yaffe, build houses.

Md., Westminster—Pleasant Valley Cemetery Assn., incorporated; Edward Strevig, Edward C. Yingling; develop cemetery.

Miss., Meridian—L. D. Caldwell, 2119½ Sixth St., and Albert Weems, 1801 28th Ave., will develop Lakemont, subdivision.

Mo., Chillicothe—City votes Oct. 1 on \$40,000 bonds for improvements to Simpson Park, 18 ft. gravel roadway, ¾ mile long; 4 conc. ornamental bridges; swimming and wading pool, etc.

Mo., St. Louis—Cyrus Crane Willmore Organization, Inc., Boatmans Bank Bldg., ac-

quired 45 acres on St. Charles Rock Road; organized Wellston Hills Realty Co., subsidiary to develop.

Mo., University City—Bankers Realty Co., incorporated; Wm. J. Assher, 5782 Kings-bury Blvd., St. Louis.

N. C., Charlotte—Norman Graham, Inc., capital \$50,000, incorporated; Norman Graham, 806 East Ave.

Okla., Howe—Jess Himes acquired 130 acre tract of river bottom land near Glendale.

S. C., Charleston—Edward F. Mayberry, 9 Broad St.; John Farrow interested in development municipal golf course on James Island; Edward McCrady, Engr.

Tenn., Memphis—Investors Realty Co., capital \$50,000, incorporated; J. S. Norman, 1238 Glenwood St.

Tex., Brownsville—James H. Powers, V. P. and Gen. Mgr. Corthampton Land Co., Inc., Binghamton, N. Y., acquired 570 acres on Los Fresnos Road develop in 5 and 10 acre tracts for citrus fruits; construct lakes, etc.

Tex., Brownsville—Brownsville Real Estate Bd. and Chamber of Commerce, interested in development of system of parks.

Tex., Harlingen—Valley Developments, Inc., David B. Traxler, Sales Director, developing 324 acres on Coombs Road, clearing brush and planting in orange and grapefruit trees; building conc. canals and laterals through property; also developing 1100 acres north of Los Fresnos in same manner.

Tex., Winter Haven—Arthur Bartelt, Milwaukee, Wis., Dr. Curry, Crystal City, acquired 1800 acres ranch land.

Va., Salem—Sherwood Burial Park, Inc., C. B. Strickler, Pres., develop 40 acre cemetery; Hare & Hare, Landscape Archts., Huntzinger Bldg., Kansas City; engineering work by C. B. Malcolm, Rosenberg Bldg., Roanoke.

W. Va., Fairmont—Woodlawn Cemetery Co., Col. A. Howard Fleming, acquired 2 acres additional, and erect chapel office and home for superintendent; improve grades.

Lumber Enterprises

Fla., Cottondale—Evans Lumber Co., incorporated; C. R. Evans, Helen Key Dekle.

Fla., Olustee—J. Ray Arnold Lumber Co., acquired 40,000 acres of long leaf yellow pine timber on both sides of Olustee; remodel mill; office at Lake City.

La., Alexandria—Louisiana Timber Co., Inc., chartered; J. T. Powers, Jr.; Fred Runyan.

Mining

Ala., Birmingham—Riverview Coal Mining Co., incorporated; M. R. McNeill, 1231 N. 30th St.

Miscellaneous Construction

Fla., Dunedin—City, W. L. Douglas, Mgr., construct garbage disposal system of Beccari type; Sanitary Engineering Co., Tampa, supervising construction.

Fla., Hollywood—Broward Port Comsn. authorized construction of 2900 ft. of seawall around slip No. 1 and north and south side of Port Everglades; to be 27 in. thick, 4 ft. high; cost \$37,000.

Fla., Miami—Tex Rickard and Geo. R. K. Carter, 13 Ocean Drive, construct dog race track; cost \$250,000.

Fla., Okeechobee City—Gov. John W. Martin, Tallahassee, authorized State Drainage Bd. to inspect lake shore near Okeechobee with view of restoring dikes broken by hurricane.

Ga., Columbus—City considering bond issue for incinerator. See Financial News.

La., New Orleans—War Dept. U. S. Engr. Office, New Orleans River Dist., office of Dist. Engr., has following low bids which were received Sept. 25 for constructing 2,200,000 cu. yds. earthwork in New Orleans River District in levees designated as follows, name of low bidder, price, estimated net yardage and name of levee: Lower Tensas Levee Dist.—H. B. Blanks, 1333 Chamber St., Vicksburg, Miss., \$3,778, 242,000, Brabston; Dameron & Kenyon, Port Allen, La., \$12, 150,000, Shaw-Blackhawk; Atchafalaya Levee Dist. (Front)—Dameron & Kenyon, Port Allen, La., \$23, 310,000, Alford Levee; La Fourche Levee Dist.—Lower Coast Construction Co., Godchaux Bldg., New Orleans, La., \$1,621, 190,000, Ames Levee; Pontchartrain Levee Dist.—Lower Coast Construction Co., \$1,968, 295,900, Hope; Lewis-Chambers Construction Co., New Orleans, La., \$234, 580,000, Margaret; Atchafalaya Levee Dist. Back)—Howard Kenyon Dredging Co., 3605 Mc-Evans Point Levee; O. O. Ogden, La. Nat'l Kinney St., Houston, Tex., \$1,375, 172,000, Bk. Bldg., Baton Rouge, La., \$2,620, 16,000, Tin Barn Levee; Red River, Atchafalaya and Bayou Boeuf Levee Dist.—K. A. Lindolt,

\$25, 30,000, Nelta; Grasser Construction Co., New Orleans, La., \$18, 60,000, Elba; McWilliams Dredging Co., New Orleans, La., \$1,650, 145,000, Richard.

Tex., Beaumont—Dock and Wharf Comm. discussing plans for bond issue for constructing \$1,000,000 grain elevator.

Miscellaneous Enterprises

Ala., Birmingham—Sun Match Corp., capital \$50,000, incorporated; C. S. Henley, 322 N. 21st St.

Ala., Birmingham—Rock Asphalt, Inc., incorporated; M. R. Hutchinson, Alfred David.

Ala., Birmingham—Birmingham Neon Sign Co., incorporated; A. A. Grith, W. P. Clark.

D. C., Washington—Sanitary Grocery Co., Inc., Edward G. Yonker, Pres., 1845 Fourth St., N. E., operating more than 400 stores in Washington and nearby Virginia and Maryland and Safeway Stores, Inc., operating 993 grocery stores, 298 markets and 6 bakeries west of Mississippi River, plan consolidating subject to approval of stockholders; Edward G. Yonker will be president of corporation which will operate Sanitary stores and Harry Hoskinson will be vice-president.

Fla., Pensacola—T. W. Huckle, Detroit, Mich., will construct plant to manufacture stump pullers.

Ga., Atlanta—Atlanta Laundries, Inc., Glenn Bldg., let contract at \$94,000 for plant; conc., brick, 110x150 ft., 3 stories, tar and gravel roof, cement finish and wood floors; I. Moscovitz, Archt., Glenn Bldg.; let sub-contract for excavation to Lambert & Collier; rein. steel and sash, Southern R. F. Co., Decatur St. 9-27

Ky., Louisville—Robt. B. Taylor, Anchorage, acquired site Brook and Bloom Sts., erect \$25,000 factory to be leased by Lewis Manufacturing and Supply Co., manufacturers of kitchen equipment.

Ky., Louisville—Fontaine Ferry Corp., capital \$250,000, incorporated; Charles A. Wilson, J. C. Faas.

Ky., Mayfield—Richardson-Mizell Loose Leaf Floors, capital \$75,000, incorporated; Ed. Gardner, J. T. Richardson.

La., Baton Rouge—La Tex Chemical Co., Inc., chartered; C. H. Herbert, Bayou Sara Rd.

La., New Orleans—Gulf Coast Fur Ranch, Inc., incorporated; Thomas H. Roberts, 1530 N. Broad St.

La., New Orleans—Sugar Operators, Inc., organized by combination of 6 large sugar factories and 18 plantations comprising 50,000 acres; properties taken over by Canal Bank and Trust Co. in merger of Marine Bank and Trust Co., and its previous holdings are included; sugar factories and plantations accompanying them are those of Miles Planting Co.'s 2 factories, Soney factory, Standard Sugars, Southdown and Ardoyne; are located on Mississippi River and in Lafourche Parish; value of properties estimated at \$6,000,000; directors and officers of company: David Pipes, Jr., Southdown Plantation, president; H. J. Steinborder, V.-Pres., and E. W. Kopke, an officer of Fulton Iron Works, directors; George Rives, director of Canal Bank and Trust Co.; C. D. Kemper head of Sterling Sugars, Franklin, La.

La., Thibodaux—Laurel Valley Sugars, Inc., capital \$150,000, chartered; J. Wilson and Inez H. Lepine.

Md., Baltimore—Slingluff Flooring Co., Lawrence and Harvey Sts., incorporated; William L. Marbury, Jr.; manufacture substance for hardening concrete.

Md., Cumberland—Celanese Corp. of America, New York office, 150 26th St., New York City, Arthur J. Fitch, Works Mgr., Ameelle, let contract for boiler house and machinery house to serve chemical units to Hughes Foulkrod Co., Schaff Bldg., Philadelphia, Pa.; conc. steel and tile construction; The Babcock & Wilcox Co., 85 Liberty St., has contract for boilers; Taylor stokers, American Engineering Co., Kensington Sta., Philadelphia, Pa.

Miss., Scooba—Mayor T. T. Kimbrough and others interested in establishing cheese plant.

Mo., Kansas City—W. H. Beard Paint Co., incorporated; Will H. Beard, 6408 Grand St.

Mo., Kansas City—Morris Shankman Building Co., capital \$38,000, incorporated; Morris Shankman, 3039 Forrest St.

Mo., Kansas City—Printing, etc.—Heart of America Magazine Publishing Co. incorporated; Charles D. Smythe, 2951 Main St.

Mo., St. Louis—Engineering—Benson, Kaiser & Co., Mer. Laclede Bldg., incorporated; W. M. Kaiser.

Mo., St. Louis—Albega Chemical Corp., capital \$225,000, incorporated; O. R. McHughes, 3910 Lindell St.

Mo., St. Louis—P. Jacks, 119 N. Seventh St., erect tin shop, 1420 N. Sarah St.; brick, 1 story, 126x100x89x62x50 ft., irregular shape, comp. roof; Edw. J. Gieseler, Archt., 42 Demme Bldg.; owner builds.

Mo., St. Louis—Ernest Hess, Archt., 903 Title Guaranty Bldg., preparing plans for laundry, Dunnica St.; brick, 1 story and basement, 50x125 ft., comp. roof, steam heat.

N. C., Charlotte—City Commrs. authorized issuance of \$55,000 for fire fighting equipment.

N. C., Charlotte—Standard Construction Co., capital \$25,000, incorporated; F. D. Blake, 818 N. Tryon St.

N. C., Charlotte—New Way Laundry, 722 S. Brevard, erect \$45,000 building; brick, conc., steel, 142x99 ft., 1 story, with basement; George A. Ball, Archt.

N. C., Gastonia—A. F. Whitesides, 221½ W. Main St., plans establishing pasteurizing plant.

N. C., Hickory—Hickory Upholstering Co., capital \$25,000, incorporated; H. A. Ball, C. E. Millers.

N. C., Mooresville—Mooresville Shirt Corp., capital \$100,000, incorporated; B. A. Troutman, J. L. Harris.

Okla., Sand Springs—City voted \$15,000 for purchasing fire fighting equipment. See Financial News.

Okla., Tahlequah—Sequoyah Publishing Co., Sallisaw, acquired Tahlequah Publishing Co.

S. C., Charleston—John H. Renken, City Purchasing Agt., has low bid at \$15,397 from Charleston Engineering and Contracting Co., 58 Broad St., for remodeling abattoir.

S. C., Spartanburg—Rogers Fiber Co., Leon Rogers, Pres., Boston, and Kennebunk, Me., will establish factory for manufacture of leatheroid mill receptacles; lease Star Hosiery Co.'s plant; will remodel and ship machinery at once from Kennebunk.

Tenn., Cleveland—Cleveland Tennessee Enamel Co., capital \$250,000, incorporated; M. H. Wright, W. B. Evans, Sterling Court, both Nashville; acquired 7½ acres, will construct plant; engage in porcelain and vitreous enameling, stamping, forming and metal work.

Tenn., Memphis—Rug Rubber Size Co., capital \$100,000, incorporated; J. W. Wallace, Mary Jane Kallaher.

Tenn., Memphis—Waste Paper Corp., capital \$20,000, incorporated; Geo. Treadwell, Exchange Bldg.

Tex., Alice—Construction—Charles Bros., Inc., capital \$20,000, chartered; Issie and Clarence Charles.

Tex., Beaumont—Beaumont Paint and Glass Co., incorporated; Forest Goodhue, Crosby Hotel.

Tex., Beaumont—The Enterprise Co., J. L. Mapes, Asso. Publisher and Gen. Mgr., let contract to Chr'sty-Dolph Construction Co., Const. Indus. Bldg., Dallas, at about \$140,000 for constructing building, Mulberry and Walnut Sts.; Spanish type, rein. conc., fireproof, hollow tile, stucco, 60x124 ft., corrugated roof, install tube system to carry copy from editorial and advertising department to printing department on third floor; also install dumb waiter elevator; Howell & Thomas, Archts., 3808 Carnegie St., Cleveland, Ohio.

Tex., Beeville—L. F. Cherry, Sec. of Chamber of Commerce, and others interested in establishing milk products plant.

Tex., Cameron—Willard Reese interested in establishing milk products plant.

Tex., Corpus Christi—W. D. Haden Co., 2315 Polk St., Houston, leased old Epworth pier, will establish shell plant; construct 3 hoppers or bins, capacity 2000 cu. yd. each.

Tex., Dallas—Sherman Magnolia Seed Co., 1006 Elm St., increased capital, \$30,000 to \$50,000, changed name from Magnolia Seed Co.

Tex., Fort Worth—Acme Construction Co., capital \$20,000, incorporated; J. J. Hofues, E. M. Herndon.

Tex., Goldwithe—Mills County Cheese and Butter Co., incorporated; W. C. Dew, W. P. McCullough.

Tex., Harlingen—J. E. Harrington, Olmito, has contract at \$18,000 for constructing fish hatchery for State Game Fish and Oyster Comm.

Tex., Houston—Elder Construction Co., capital \$50,000, incorporated; C. H. Everett, 1756 Colquitt St.

Tex., Junction—Edgar McLendon, Coleman, acquired Junction Eagle newspaper.

Tex., San Antonio—San Antonio Drilling Equipment Co., Inc., capital \$50,000, chartered; D. C. McBride, John L. Stevens.

Tex., San Antonio—Alamo Grease Mfg. Co., Inc., 1631 S. Laredo St., increased capital to \$15,000.

Tex., Waco—Howard Cleaning and Dyeing Co., 2710-12 N. 12th St., erect building, 12th and Washington Ave.; Spanish type, brick.

Va., Bedford—Nardin-Armstrong Corp., H. E. Armstrong, Pres., construct plant for manufacture of steel stampings, tools, dies, etc.; 150x350 ft., steel, conc., cost \$50,000.

Va., Bluefield—Aborn Shirt Manufacturing Co., will establish factory in part of Eclipse Milling Co.'s building.

W. Va., Huntington—Huntington Brick & Supply Co., capital \$25,000, incorporated; J. J. West, 926 Sixth Ave.

W. Va., Huntington—West Engineering Co., capital \$50,000, incorporated; J. J. West, 926 Sixth Ave.

W. Va., Huntington—C. W. Beckner, 18th and Adams Sts., and associates, acquired controlling stock of West Virginia-Kentucky Hardware and Supply Co.

Motor Bus Lines and Terminals

Ky., Lexington—Consolidated Coach Corp., 245 Main St., plans erecting bus terminal.

Louisiana—Tri-State Transit Co., 515 Travis St., Shreveport, establish bus line between Shreveport and Lake Charles; will operate from Mansfield, Converse into Many and then to Leesville.

N. C., Winston-Salem—Old North State Coach Co., incorporated; G. G. Plott, 1050 W. 35th St., Norfolk, Va.

Tenn., Martin—Gibbs Bus Line acquired Owens Bus line from Martin to Milan.

Tex., Austin—Paul O. Simms call for bids soon for \$12,000 bus building, 312 W. Sixth St.; brick, stone, conc., 1 story, 46x128 ft., cement floors, steel truss frame and built-up roof; Giesecke & Harris, Archts., 207 W. Seventh St.

Tex., Pampa—Bus Division of Railroad Comm., Austin, authorized W. C. Bird, Clarendon, to operate bus line from Pampa to Oklahoma state line.

Tex., San Antonio—Northern Spanish American Bus Lines, incorporated; E. C. Ekstrom, 303 W. Dewey St.

W. Va., Wheeling—State Public Service Comm. granted permission to Washington Transportation Co., Washington Bk. & Tr. Bldg., to operate bus line between Wheeling and Oglebay Park.

Motor Cars, Garages, Filling Stations

Ala., Mobile—J. U. Blacksher, 1454 Government St., has low bid at \$55,000 from Owen Construction Co., for erecting garage, Government and Broad Sts., to be leased by Blacksher-Reece Motor Co., Inc., 61 S. Water St.; brick, stucco, 1 story, 105x240 ft., comp. roof, struct. steel, tile floors, steam heat; Geo. B. Rogers, Archt., 1007 Van Antwerp Bldg.

Ala., Mobile—Staple-Powell-Fekks Realty Co., St. Michael and Royal Sts., erect garage, 105 N. Royal St.; brick, steel, 1 story, 32x130 ft.; owner builds.

Ark., Fort Smith—General Auto and Body Co., capital \$20,000, incorporated; T. A. Freeze, 1104 S. 23d St.

Fla., Gainesville—Bridges Motor Co., incorporated; T. E. and A. W. Bridges.

Fla., Jacksonville—Motor Salvage Co., incorporated; Edward Downs, B. K. Hall; acquired plant, 2553 Pearl St.

Fla., Miami—Biscayne Boulevard Co., erect \$60,000 building for Habig Motors Co.; 2 stories, 80x144 ft., stucco, cut stone trim; Robt. L. Reed, Archt.; Harrison Construction Co., Biscayne Blvd., laying rein. conc. foundation. 9-27

Fla., Sanford—C. E. Myers, Inc., chartered; C. E. Myers, 2518 Elm Ave.

Ga., Atlanta—Dr. Sosby Swanson, 478 Peachtree St., N. E., has low bid at \$23,200 from H. G. Fleming & Co., Inc., for erecting service station, Spring and Alexander Sts.; brick, 1 story and basement, 156x100 ft., built-up roof, conc. floors, steam heat; Raymond C. Snow, Archt., Bona Allen Bldg. 9-20

Md., Baltimore—Thomas H. Disney, 210 E. Lexington St., acquired site, Aisquith and 20th Sts.; erect 1-story building, brick, steel, 90x150 ft.; cost \$60,000.

Md., Baltimore—International Harvester Co. of America, 606 S. Michigan Ave., Chicago, Ill., let contract to J. L. Robinson Construction Co., 522 Park Ave., for con-

structing service station, 26th and Kirk Ave.; face brick, 130x260 ft., 1 story and mezzanine floors, comp. roof, mill type construction; cost \$105,000; Everett D. Cummings, 81 Mosher St., will direct construction. 9-20

Md., Edgemere (R. Sta. Baltimore)—Ainsworth Chevrolet Sales Co., Inc., chartered; Harry Ainsworth, Jr., 1009 Beaumont Ave., John T. Maebly.

Md., Frostburg—National Motor Corp., incorporated; Benjamin H. Thomas, John L. Gurst.

Mo., Bollivar—Mathias Motor Co., incorporated; Fred J. Mathias, Elizabeth McCracken.

Mo., Cape Girardeau—Cape Girardeau Hotel Co., erect parking garage, adjacent to new hotel building, Foundation St.; 83x87 ft., fireproof, terra cotta, brick, accommodate 50 automobiles; R. K. Knox, Archt.; A. H. Gerhardt, Contr.; Polack Bros. has contract for installing plumbing; Electric Supply Co., has contract for installing wiring and other electrical equipment.

Mo., Jefferson City—Capital City Oil Co., John Guy Gibson, Mgr., erect filling station, McCarty and Jefferson Sts.; Italian architecture, red tile roof, stucco.

Mo., Kansas City—J. E. McDaniel, 726 Lee Bldg., and associates, erect 7-story garage, 921 Locust St.; fireproof, 48x132 ft.

Mo., Kansas City—King Motor Co., 1524 McGee St., increased capital, \$20,000 to \$50,000.

Mo., Rolla—Modern Motor Co., incorporated; H. C. Casselman, A. Tower.

Mo., St. Louis—J. A. Schafer Construction Co., 520 N. Grand St., erect \$10,000 garage, 2103 Cass St.; brick, 60x100 ft., 1 story, tar and gravel roof, steam heat; owner builds.

Mo., St. Louis—Grand Boulevard Investment Co., 2718 S. Grand St., erect \$20,000 garage; brick, 2 stories, 45x100x60x51 ft., conc. roof; Craven Engineering Co., Archt.; Boaz-Kiel Construction Co., Contr., Ambassador Bldg.

Mo., University City, Br. of St. Louis—C. Sayles, 501 N. Central Ave., erect \$10,000 garage and porch; brick, 1 story, 10x12 ft. and 12x24 ft., comp. roof; W. Rothenhoefer, 7100 Olive St.

N. C., Charlotte—Stonewall Motor Co., capital \$50,000, incorporated; Chas. E. Lambeth, Hermitage Rd., Myers Park.

N. C., Maiden—Carolina Sales and Service Co., capital \$50,000, incorporated; O. A. Costnet, George E. Hunsucker.

N. C., Raleigh—Sir Walter Chevrolet Co., capital \$100,000, incorporated; Fred Anderson, 531 East Ave., Charlotte; W. G. Pilley, Raleigh.

N. C., Vass—Keith Motor Co., capital \$25,000, incorporated; W. H. Keith, A. M. Cameron.

N. C., Winston-Salem—P. M. Hendrix erect filling station, Cherry and Fifth Sts.

Tenn., Lawrenceburg—Parkes-Richardson Automobile Co. erect garage, W. Gaines St.; brick, 60x90 ft.

Tex., Austin—Norwood Motoramp Garage, Dudley Miller, Mgr., 1315 Alta Vista St., will construct annex; Frank Barron, Contr., 121 W. Seventh St.

Tex., Austin—Paul O. Simms, 121 W. Seventh St., receives bids Oct. 5 for \$10,000 garage; 1 story, 46x128 ft., built-up roof, conc. floor, conc. foundation; Giesecke & Harris, Archts. See Want Section—Building Material and Equipment.

Tex., Brownsville—B. E. Hinkley erect garage addition; tile, 1 story, 50x80 ft.; cost \$10,000; Proctor & Dudley, Contrs.

Tex., Dallas—Bulck Motor Co., J. C. Cheek, Mgr., 1420 Young St., erect \$140,000 building to be leased by H. D. McElroy, 4709 Drexel Drive; 3 stories, 150x93 ft.; Rife Construction Co., Contr. 9-27

Tex., Eastland—Oil Belt Motor Co., capital \$15,000, incorporated; Hall Walker, W. L. Morgan.

Tex., Harlingen—Southtex Motor Co., Edinburg, erecting \$25,000 building.

Tex., Lockhart—J. W. Karbach, New Braunfels, erect brick building, N. Commerce and Walnut Sts., to be occupied by Lockhart-Durant Automobile Co.

Tex., San Antonio—Smith Bros. Properties, Inc., 117 Villita St., erect \$250,000 garage, Villita and Dwyer Ave.; rein. conc., 3 stories and basement, 100x150 ft., pitch and gravel roof; Atlee B. & Robert M. Ayres, Archts., Bedell Bldg.; construction by owners and McKenzie Construction Co., 117 Travis Bldg. 9-20

Tex., San Antonio—J. J. Leppard, 3715 W. Commerce St., erect \$13,000 service station.

Tex., Taylor—Howard Bland, Sr., call for bids about Oct. 5 for garage; semi-fireproof, brick, 1 story, 48x84 ft., rein. conc. foundation, cement floors, wood truss frame and galv. iron roofing; Edwin C. Kreisler, Archt., 803 Scarbrough Bldg., Austin.

Railways

Mo., St. Louis—St. Louis Electrical Terminal Ry. Co., subsidiary of Illinois Terminal R. R. System, S. E. Bears, Ch. Engr., Alton, Ill., applied to Interstate Commerce Comm. for authority to construct 2½ miles of new line from McKinley Bridge to 12th St. and Washington Ave.

Railway Shops and Terminals

Mo., St. Joseph—Union Terminal Ry. Co., S. F. Koters, Ch. Engr., expend \$30,000 for improvements; include 2-story yard office, water tower and track.

Mo., St. Louis—Illinois Terminal Co., James A. Hooke, Const. Engr., announced plans for \$5,000,000 electric terminal and station were approved by Interstate Commerce Comm. and State Public Service Comm., construction to begin about Jan. 1. 7-19

Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

Proposed Construction

Ala., Birmingham—Jefferson County Bd. of Revenue considering road from main highway, past Sandusky School, to site of radio station, near Sandusky.

Ala., Birmingham—City Comm., Eunice Hewes, Clk., receives bids Oct. 20 for 2-in. asphalt on 5-in. conc. Price Ave., Ensley; 7-in. conc. paving, South and Niazuma Ave.; 6-in. conc. paving, Ninth Court Alley; \$27,145; A. J. Hawkins, City Engr.

Ala., Montgomery—City Comm., receives bids Oct. 9 for 8 blocks paving, 14,000 sq. yd. asphalt, bitulithic conc. or asphaltic conc. pavement, Fairview Ave., Gilmer St. to Woodley Terrace, 6350 lin. ft. 5x18-in. granite curbing, inlets, manholes, 1280 lin. ft. 15 to 24-ft. storm sewers; contemplates 15 blocks paving, on 3 avenues and 2 roads, including Winona, Gilmer, Felder Ave.; Carter Hill and Norman Ridge road; 2 blocks grading, curbing, guttering, storm sewers, etc.; widening and paving about 17 blocks; J. M. Garrett, City Engr.

D. C., Washington—Dist. Comms. receive bids Oct. 5 for asphaltic roadway surface or alternate on streets in District.

D. C., Washington—Constr. Quartermaster, Army Medical Center, receives bids Oct. 9 to build and complete road, parking area, sidewalks, drainage system, sanitary sewer and water connections in Army Medical Center.

Fla., Hialeah—City plans expending \$90,000 to rock and oil 20 mi. streets; John Knox, Engr., preparing plans.

Fla., Vero Beach—Indian River County Comms. plan improving roads in Sec. 28-33-39 and Sec. 32-31-39; County Engr. will open and grade roads.

Ga., Columbus—City Comm., considering street improvements. See Financial News.

Kentucky—State Highway Comm., Frankfort, receives bids Oct. 31 for 10 roads and 2 overhead crossings: Carter County—2.6 mi. grade, drain, Carter Caves road, Midland Trail, east of Olive Hill, to Carter Caves; Clay County—8.428 mi. surface, McKee-Tyner-Manchester road, Burning Station to Manchester; Fleming County—7.5 mi. rebuilding, Flemingsburg-Mt. Carmel, from city limits of Flemingsburg to point northeast of Mt. Carmel; McGoffin County—2 mi. surface, Salyersville-Royalton road, Salyersville toward Royalton; Meade County—2.7 mi. grade, drain, Millers Mill-Ekron road, Millers Mill, Highway 60, to Ekron; 5.5 mi. grade, drain, U. S. 60-Highland Church-Paynesville road, point north of Midway to Paynesville.

In McCracken County—7.2 mi. surface, Paducah-Wickliffe road, point south of Maxon to Ballard County line; Robertson County—9.8 mi. grade, drain, Mt. Olivet-Blue Lick road, Lexington-Maysville Pike, near Blue Lick to Mt. Olivet; Union-Webster Counties—6.9 mi. surface, Sullivan-Clay road, Sullivan to Clay; Warren County—surface Bowling Green-Morgantown road.

end of surfacing to Hadley; Lincoln County—overhead crossing, about 1.5 mi. southeast of Crab Orchard, on Mt. Vernon-Stanford road; Logan County—overhead crossing, 1 mi. northeast of Auburn, on Russellville-Bowling Green road; J. S. Watkins, State Highway Engr.

Ky., Barbourville—Knox County plans expending \$100,000 road building. See Financial News. 9-20

Louisiana—Louisiana Highway Comm., Baton Rouge, received low bids for 2 roads: Pointe Coupee Parish—928 mi. Evans Point levee road, Harvey & Jones, Jonesboro; Iberville Parish—1.06 mi. Margaret-New Levee road, Tircuit & Co., P. O. Box 185, Plaquemine.

La., Opelousas—St. Landry Parish Police Jury plans \$200,000 road building in Sixth Sub-Road Dist. See Financial News. 8-16

La., Oberlin—Louisiana Highway Comm., Baton Rouge, plans receiving bids for 2½ mi. road from Elizabeth to Sugartown, State Route 151, Allen Parish; J. M. Fourmy, State Highway Engr.

La., Rayville—See Sewer Construction.

Maryland—State Roads Comm., Baltimore, received low bids for 5 roads and bridge: Prince Georges County—1.69 mi. conc., Rhode Island Ave., Hyattsville, from Johnson Ave. to Dist. line, G. B. Mullin & Co., 1296 Upshur Road, Washington, \$44,772; 3.11 mi. gravel, Brandywine toward Horsehead, Vachinao-Swann, LaPlata, \$10,426; Cecil County—3 mi. conc., Main St., Port Deposit to Cont. Ce-70, Geo. Atkinson, Port Deposit, \$12,688; 38 mi. bit. macad. surface, Susquehanna Ave., Perryville, from Post road to Northern Corporate limits, Thos. P. Murray, Towson, \$7114; Worcester County—1.06 mi. conc., end of Cont. Wo-52 to Public Landing, Layfield-Waller, Salisbury, \$18,117; Prince Georges County—steel and conc. bridge over B. & O. R. R. tracks, Hyattsville, J. B. Mullin Co., Washington, D. C., \$134,494. 9-20

Md., Baltimore—City, Bd. of Awards receives bids Oct. 10 to grade, curb and pave with 12,550 sq. yd. sheet asphalt, conc. base, streets in Cont. 488; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Estimates, authorized expending \$53,800, to pave 5 avenues, etc.; Hicks, Quantico, Ramona; Nathan L. Smith, Highways Engr.

Miss., Clarksdale—City, Mayor and Bd. of Aldermen, receive bids Oct. 9 to pave with conc. Sunflower St., Yazoo and Mississippi Valley R. R. to Fourth St.; \$8500 to \$9000; W. S. Bobo, City Engr.

Miss., Columbia—Marion County Bd. of Supvrs. receives bids Oct. 5 for 9.801 mi. State trunk road between Columbia and Hattiesburg; 118,359 cu. yd. excavation and borrow, 73,863 lb. rein. steel, 145,400 lb. struct. steel.

Miss., Forest—Town, Mayor and Bd. of Aldermen, receive bids Oct. 15 for conc. or vibrolithic paving, curbs, gutters, sewers, water mains, etc.; M. L. Culley, Engr., Jackson.

Miss., Union—Bd. of Aldermen plan paving business streets.

Missouri—State Highway Comm., Jefferson City, received low bids for 26 roads and bridges: Linn County—1.563 mi. 18-ft. gravel Route 36, Bucklin Spur, J. L. Simmons, La Plata, \$7176; Livingston County—551 mi. 18-ft. gravel, Route 36, to Wheeling, J. L. Simmons; Macon County—669 mi. 18-ft. gravel, Route 36, to New Cambria, J. L. Simmons; Audrain County—4.394, 4.394 and 2.412 mi. 30-ft. graded earth, Route 303-A, Mexico West road, Chas. Dubinsky, Kansas City, \$65,866; 4.678, 3.390, 4.119 and 3.508 mi. 18-ft. gravel, Route 15, Mexico North road, Jenkins, Bowers & Bartwell, Columbia, \$34,288; Clark County—3.517 mi. 18-ft. gravel, Route 4, Kahoka-Wayland road, A. L. Cook, Ottawa, Kan.; Scotland County—4.971 mi. 30-ft. graded earth, Route 15, Memphis North road, including bridge, L. Gray, St. Louis, \$95,649; Carroll County—bridge south of Carrollton, Route 65, W. W. Cosby, Liberty; Clay County—500 mi. rock asphalt surface, on A. S. B. Bridge approach, Route 71, J. O. Patterson, Kansas City, Mo., \$17,945; Cole County—4.356 mi. 20-ft. conc., Route 1, Jefferson City, West, C. H. Atkinson Paving Co., Watertown, S. Dakota, \$59,434.

In Cooper County—2.880 and 3.203 mi. 30-ft. graded earth, Route 27, Boonville, West, Bertman & Menefee, Sedalia, \$89,873; Morgan County—4.198, 3.473, 4.348, 3.585 and 2.406 mi. 18-ft. gravel, Route 52 Versailles-Barnett road, F. E. Coffman, Union, Iowa, \$33,084; Perry County—4.643 mi. 30-ft. grading, 18-ft. gravel, Route 25, Brewer-Perryville road, Keifner & Gile, Perryville, \$40,089; St. Louis County—868 mi. 20-ft. conc., Bellefontaine-West Alton road, Fritzlan, Hufford and Ver-

million, Kansas City, \$88,695; Bates County—2.196 mi. windrowing gravel or cherts, Route 71, East, O. O. Fuller, Nevada, \$6644; Christian County—2.995 mi. 30-ft. graded earth, Route 36, Green County line, South, including bridge, Stigall Construction Co., 211½ E. Commercial St., Springfield, \$25,876; Carter County—2.879 mi. 30-ft. graded earth, Route 311, Shannon County line, East, M. E. Gillioz, Monett, \$54,420; Oregon County—1.439 mi. 30-ft. graded earth, Route 19, Thayer, North, including bridge, Carter-Harlan Construction Co., West Plains, \$43,958. 9-13

Mo., California—City, preliminary plans for grading, curbing and rein. conc. paving, \$40,000; Russell & Axon, Engrs., Ry. Exchange Bldg., St. Louis, and 408 McDaniel Bldg., Springfield.

Mo., Cassville—City considering \$40,000 grading, curbing and conc. or rein. conc. paving; Russell & Axon, Engrs., Ry. Exch. Bldg., St. Louis, Mo., and 408 McDaniel Bldg., Springfield.

Mo., Jefferson City—Cole County Court, Henry B. Bode, Presiding Judge, plans graveling Greenberry road to Wardsville.

Mo., Webb City—City Council considering improving sidewalks.

N. C., Gastonia—City plans \$85,000 street paving. See Financial News.

N. C., Graham—State Highway Comm., Raleigh, receives bids in Oct. for 10 mi. 18-ft. conc. base, asphalt cap, Highway 54, from Graham to Orange County line.

N. C., Hickory—City Council plans paving Eighth St., Thirteenth to Fifteenth St.

Oklahoma—State Highway Comm., Oklahoma City, received low bids on 6 roads and bridges: Noble County—2.45 mi. conc. Highway 77, west of Marland, A. L. Cook Co., Ottawa, Kan., \$50,635; 5.994 mi. conc. Highways 177 and 77, Sec. D and E, from Kay County south, A. L. Cook Co., \$122,809; Payne County—10.088 mi. conc., Highway 33, Sec. G and H, Cushing west, American Paving Corp., \$213,908; Seminole County—3.558 mi. asphalt top, conc. base, northeast from Konawa, C. S. Beekman & Co., Oklahoma City, \$103,035; Pawnee County—5.21 mi. conc., Highway 64, Pawnee east, Standard Paving Co., 2119 E. 11th St., Tulsa, \$109,835; Logan County—5 mi. conc., Highway 33, Coyle south, Tom Collins, Cushing, \$108,777; Canadian County—bridges on Highway 66, west of El Reno, T. C. Ottinger, Hinton, \$13,306. 9-27

Okla., Ada—City, Lee Daggs, Clk., receives bids Oct. 16 to pave with one course conc., drainage, curb, etc., Eighteenth St., Broadway Ave. to Townsend Ave.

Okla., Altus—City plans 8100 sq. yd. grading, conc. paving, Wheeler St., \$32,810; J. C. Chisum, Engr.

Okla., Anadarko—City plans 12,100 sq. yd. grading, conc. paving, Apache St., \$36,000; R. O. Bradley, Engr., Chickasha.

Okla., Carter—City plans 14,700 sq. yd. grading, conc. paving, Main St., \$60,000; Benham Engineering Co., 1106 Perrine Bldg., Oklahoma City.

Okla., Cheyenne—City plans 11,000 sq. yd. grading, conc. paving, Main St., \$45,000; Benham Engineering Co., 1107 Perrine Bldg., Oklahoma City.

Okla., Cordell—City plans expending \$32,000 for 11,000 sq. yd. grading, conc. paving, Dist. 8; F. Ford, Engr.

Okla., Duncan—City plans expending \$28,406 for 8100 sq. yd. grading, conc. paving, North Eleventh St.; \$28,109, for 7100 sq. yd. Beach St.; H. Sullivan, Engr., Temple.

Okla., El Reno—City plans 13,125 sq. yd. conc. paving, Warren Ave., \$36,310; E. W. Fassett, Engr.

Okla., Frederick—Tillman County plans 10,600 ft. conc. paving, Road 4, \$25,000; D. E. Powell, Engr.

Okla., Guymon—City plans 7300 sq. yd. grading, conc. paving, Dist. 2, \$28,800; F. E. Devlin, Engr., Bitting Bldg., Wichita, Kan.

Okla., Hobart—Kiowa County Comms. contemplate graveling 2 State highways; 12 mi. Highway 9; 14 mi. Highway 14.

Okla., Mangum—City plans 9300 sq. yd. grading, conc. paving, Dist. 20, \$29,775; E. W. Gantt, 1116 W. Main St., Oklahoma City.

Okla., Longdale—City plans 8600 sq. yd. grading, conc. paving, Main St., \$27,000; Benham Engineering Co., 1107 Perrine Bldg., Oklahoma City.

Okla., Maud—City plans 20,900 sq. yd. grading, conc. paving, King Ave.; \$83,952; Long & Co., 1300 Colcord Bldg., Oklahoma City.

Okla., McAlester—City plans expending \$30,600 for 10,650 sq. yd. grading, conc. paving, E. Washington St.; F. Frazer, Engr.

Okl., Okeene—City plans 7800 sq. yd. grading, conc. paving, F St., \$25,200; E. A. Jones, Engr., Enid.

Okl., Oklahoma City—City, E. M. Fry, Mgr., receives bids soon to pave Walker Ave., C to G Ave.; plans paving Eighteenth, Nineteenth, Twentieth, Twenty-first St. and Harden Drive, from Eastern Ave. to Granada Blvd.; W. W. Small, City Engr.

Okl., Okmulgee—Okmulgee County considering 8 mi. grading Road 7, \$35,000; W. C. King, Engr.

Okl., Shawnee—City plans 11,000 sq. yd. grading, sheet asphalt paving, Thirty-second, Midland and Park St.; \$43,117; 7600 sq. yd. Independence St., \$31,875; E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo.

Okl., Texhoma—City plans paving 8 blocks Dist. 2; \$36,000; F. E. Devlin, Engr., Bitting Bldg., Wichita, Kan.

Okl., Tulsa—City Comm. plans paving Elgin Ave., King to Newton St.; Columbia Ave., Twelfth St. to Fourteenth Place; College Ave., Thirteenth to Fifteenth St.; B. M. Hart, City Engr.

South Carolina—State Highway Comn., Columbia, received low bids for 6 roads and 3 bridges: Alken County—9.389 mi., North Augusta to Edgefield line, Claussen-Lawrence Construction Co., Augusta, \$222,376; Greenville County—10.69 mi. Greenville-Pelzer road, end of pavement at Greenville to Anderson County line, Claussen-Lawrence Construction Co., \$197,001; Marion County—8.47 mi. Marion to Dillon County line, near Latta, Roberts Paving Co., Salisbury, Md., \$196,998; Anderson County—9.24 mi. Starr to Iva, J. B. McCrary Co., Atlanta, Ga., \$116,500; Colleton County—7.492 mi. sand clay surface, Lodge-Ehrhardt road, William & Watson, Hickory, N. C., \$37,358; Saluda County—6.439 mi. top soil, Saluda to point about 1.2 mi. from Edgefield County line, Brooks Construction Co., Elberton, Ga., \$27,180. Bridges: Orangeburg-Bamberg Counties—treated timber Edisto River Bridge, Route 24, Austin Brothers Bridge Co., Atlanta, \$27,503; Newberry-Saluda Counties—steel Saluda River Bridge, Route 392, Dewey Brothers, Goldsboro, N. C., \$17,324; Lexington County—over Southern Ry., Batesburg, C. D. Fulmer, Leesville, \$11,596. 9-13

South Carolina—Mid-Coastal Highway Dist., William Burgess, Sec., Charleston, and State Highway Dept., Charles H. Moorehead, Ch. Engr., Columbia, plan receiving bids to hard surface mid-coastal highway in Berkeley and Charleston Counties and constructing overpass at Rantowles.

S. C., Anderson—Anderson County Unit, of State Highway Maintenance Dept., C. W. Belcher, Mgr., plans re-surfacing with crushed stone, Greenville-Anderson road.

S. C., Honea Path—City plans expending \$20,000 to curb and pave certain streets. See Financial News.

Tennessee—Dept. of Highways and Public Works, Nashville, receives bids Oct. 28 for 16 roads and 55 bridges: Perry County—856 mi. grading, draining, Highway 20, Linden to Perryville; Monroe-London Counties—1.891 mi. Highway 33, Madisonville to Maryville; Meigs County—1.126 mi. Highway 58, Decatur to Hamilton County line; Henry and Stewart Counties—818 mi. Highway 76 at Tennessee River; Hamilton County—7.928 mi. Highway 29, Falling Water to Soddy; two over 20-ft. span bridges; Gibson County—9.646 mi. Highway 54, Trenton to Bradford; two timber bridges over 20-ft. span; Weakley County—11.330 mi. Highway 54, Greenfield to Dresden, six over 20-ft. span timber bridges; Cocke County—5.470 mi. Highway 9, Jefferson County line to Newport; three over 20-ft. span bridges; Henry County—17.330 mi. Highway 76, Paris to Tennessee River; 8 conc. deck girder bridges over 20-ft. spans; Hamilton County—1.967 mi. Highway 27, Glendale to Valdeau, two over 20-ft. spans bridges.

In Williamson County—11.469 mi. Highway 6, Maury County line to Franklin; four over 20-ft. span bridges; Washington County—9.974 mi. Highway 36, Johnson City to Sullivan County line; six over 20-ft. span bridges; Hickman County—7.115 mi. Highway between old of State Project 508-A to Williamson County line; Davidson County—10.873 mi. Highway 11, Nashville to point north of Goodlettsville; 8 over 20-foot span bridges; 13.767 mi. Highway 12, Nashville to Cheatham County line, 3 conc. bridges over 20-ft. spans; Moore County—350 mi. Highway 15, between Fayetteville and Winchester, at Grammar Hill; Bridges: Stewart County—steel and conc. bridge over Cumberland River, State Highway 76, Dover; 2 conc. deck girder bridges, Highway 76, Dover; Hancock County—steel and conc. bridge and earth approaches, Highway 68, over Clinch River near Sneedville.

In Clay County—steel and conc. bridge, Highway 52, over Cumberland River, Celina; Henry County—conc. deck girder bridge, Highway 76, at Tennessee River; Davidson County—steel and conc. bridge and earth approaches, 1.419 mi. State Highway 24, Stones River; Lawrence County—2 conc. on Highway 15 east of Lawrenceburg; Madison County—conc. overhead structure and approaches, Highway 5, over I. C. Ry. south of Jackson; Putnam County—conc. bridge over Falling Water Creek, Highway 42, Cookeville to Monterey; Gibson County—timber overhead structure and approaches, Highway 54, over M. & O. R. R., near Trenton; Dickson County—5 conc. bridges and approaches, Highway 48, Dickson to Charlotte; Hamilton County—conc. overhead structure, conc. bridge and approaches on 486 mi. Highway 2, between East Chattanooga and Silverdale at N. C. & St. L. R. R. and Chickamauga Creek; Rutherford County—conc. deck girder on Sam Davis Creek over Stewart Creek near Smyrna.

Tenn., Knoxville—City, Otto Roehl, Mgr., considering widening and extending Wall Ave. diagonally across Central St.; erect viaduct at Central St.; street north and south through eastern part of city. Park City and northward to Whittle Springs.

Tenn., Knoxville—Road Comn. plans widening, smoothing and draining road from Kingston Pike, at Philip Anderson's store.

Tenn., Knoxville—City, Otto Roehl, Mgr., considering paving 8 streets, including Linden, Keith, West New York.

Tenn., Nashville—City, Bd. of Public Works, considering paving Forty-sixth Ave., Minnesota Ave. to alley south of Elkins Ave.; \$39,008; W. W. Southgate, City Engr.

Tenn., Springfield—City plans 16,200 sq. yd. grading, sheet asphalt paving, Betts Blvd. and Cheatham St., \$48,200; Long & Co., Engrs., Bennie Dillon Bldg., Nashville.

Texas—State Highway Comn., Austin, receives bids Oct. 15, tentative date, for 4 roads and bridge: Archer County—19.873 mi. grading, draining, Highway 25, Archer City to Windhorst to Clay County line, Guy R. Johnston, County Engr.; Graham County—12.612 mi. sledged stone surface, gravel base, Highway 67; Grimes County—13.890 mi. gravel and stone surface, Highway 90, Anderson to Roans Prairie, O. A. Seward, County Engr.; Navasota: Jackson County—8.518 mi. grading, draining, Highway 12, Edne to Federal Aid Project, 534-C, at Arenosa Creek, D. K. Shepard, Res. Engr. Bridge: Jackson and Victoria Counties—168 mi. rein. conc. bridge and approaches across Arenosa Creek, Jackson County line to Victoria County line; D. K. Shepard, Res. Engr.; Gibb Gilchrist, State Highway Engr. 9-27

Texas—State Highway Comn., Austin, receives bids Oct. 15 for 5 roads: Carson County—14.730 mi. conc., Highway 117, Panhandle to Sta. 306 plus 87, 2½-in. bit. macad. on Caliche base, conc. alternate, Sta. 306 plus 87 to Hutchinson County line, 165,063 sq. yd. grading, sub-grade and shoulders, and conc. pavement; 218,858 lb. rein. steel, etc.; E. M. Fuller, Res. Engr.; Chambers County—19.005 mi. grading, draining, Highway 125, Jefferson County line to State Highway 61, east of Anahuac, 205,469 cu. yd. excavation and borrow, 43,829 lb. rein. steel, C. L. Sherer, Res. Engr.; Willacy County—8.217 mi. grading, draining, Highway 96, Raymondville to Kenedy County line, 49,724 cu. yd. excavation; J. E. Johnson, County Engr.; Panola County—3.621 mi. grading, draining, Highway 8, end of Federal Aid Project 482-A, to Sabine River, 97,496 cu. yd. excavation; bridges over 20-ft. spans; D. K. Caldwell, County Engr.; Comanche County—9.685 mi. grading, draining, Highway 10, Comanche to Brown County line, 34,649 cu. yd. excavation and borrow, 79,514 lb. rein. steel, O. M. Simpson, Res. Engr.; Gibb Gilchrist, Highway Engr.

Tex., Albany—Shackelford County, Richard Dyess, County Judge, plans 568 mi. grading, bridges, bit. macad. surface, Highway 18, including underpass and approaches at Acampo; Jass. E. Pirie, Res. Engr.

Tex., Anderson—Grimes County, Ralph W. Barry, Judge, plans 2 roads: 469 mi. grading Highway 105, from Sta. 791 to Montgomery County line, estimated cost \$13,900; 20.237 mi. gravel surfacing, including Sections B, C and D, from Sta. 308 plus 10 to Sta. 1957 plus 65, Madison County line, estimated cost \$275,000; Oscar A. Seward, County Engr.

Tex., Archer City—Archer County, H. V. Pearston, Judge, plans 8 mi. grading, bridges, Highway 24, Baylor County line to Young County line, \$33,000; Guy R. Johnston, County Engr.

Tex., Bay City—Matagorda County, Arthur Harris, Judge, plans 12.561 mi. grading,

bridges, Highway 58, Colorado River through Elmaton; E. N. Gustafson, Res. Engr.

Tex., Benjamin—Knox County, O. W. Lee, Judge, plans 19.256 mi. grading, bridges, Highway 30, Benjamin to Baylor County line; H. S. Kerr, Res. Engr., Seymour.

Tex., Bonham—State Highway Comsn., Austin, appropriated \$14,000 toward graveling road from Whitewright, Grayson County, to Trenton, Fannin County; R. M. Carter, County Judge.

Tex., Brownsville—State Highway Comsn., Austin, appropriated \$102,000 toward surfacing 7½ mi. Highway 96, Harlingen to Willacy County line, Cameron County; authorized Cameron County Engrs. to make survey of east parallel road from Harlingen to San Benito; Oscar C. Dancy, County Engr. 9-20

Tex., Carthage—State Highway Comn., Austin, plans receiving bids Oct. 15 for 8.5 mi. grading, draining, Highway 8, Panola County, from Martins Creek to Harrison County line; Jas. G. Strong, County Judge; D. K. Caldwell, County Engr.

Tex., Corpus Christi—Nueces County, Nat Benton, Judge, plans 5.231 mi. grading, draining, Highway 12-A, Banquette to Aqua Dulce; Calvin E. Cooke, County Engr.

Tex., Dallas—City Comn. received low bid from Standard Paving Co., Twelfth St. and College Ave., Tulsa, Okla., \$2.43 per sq. yd., to pave Chester St., Tyler to Polk, Oak Cliff.

Tex., Dallas—Dallas County, Charles E. Gross, Auditor, receives bids Oct. 22 for 5 roads: Barnes Bridge road, from Emmett Florence Farm to Bill White Farm; Forney Ave. road, city limits to intersection of Buckner Blvd.; East Grand Ave., from city limits to Garland road; West Jefferson Extension road, city limits to Tarrant County line; grade and drain Buckner Blvd., from East Pike to intersection of Garland road.

Tex., Dickens—Dickens County, H. A. C. Brummett, Judge, plans 9.922 mi. grading, draining, Highway 18, Dickens to Spur.

Tex., Edinburg—Hidalgo County, Cam Hill, Clk., receives bids Oct. 15 to pave 2 roads: Road Dist. No. 3, Alamo Dist.; Donna Irrigation Dist.

Tex., Edinburg—Hidalgo County receives bids soon for 44 mi. grading, graveling and conc. paving, Morningside, Alamo, Tower, Military and other cross roads, \$750,000; P. Devine, Engr.

Tex., Fort Worth—State Highway Comn., Austin, granted Tarrant County \$400,000 toward State highway building in county.

Tex., Galveston—Galveston County, E. B. Holman, Judge, plans 3.3 mi. surface, Highway 6-A, from Texas City cut-off, Highway 6 to Texas City, including eliminating 4 Ry. grade crossings, total cost \$140,000; C. C. Washington, County Engr.

Tex., Graham—Young County, W. F. Parsley, Judge, plans 13 mi. grading, draining, Highway 79, Throckmorton County line to Olney, via Padgett, \$45,000.

Tex., Hallettsville—Lavaca County, C. L. Stavino, Judge, plans 8.068 mi. conc. Highway 72, Hallettsville city limits to Old Sweet Home; W. H. Koether, Res. Engr.

Tex., Henrietta—Clay County plans \$25,000 road building. See Financial News.

Tex., Houston—City, W. A. Moore, Sec., considering \$300,000 widening and paving 2 mi. Harrisburg Blvd., from H. B. & T. crossing near Hughes St. to Broadway; J. C. McVea, City Engr.

Tex., Houston—Bd. of Dir., Braeswood Corp., Wm. G. Farrington, Engr., plans letting contract for \$180,000 paving on 8 streets in development, including Braeswood Blvd., Braeswood Court, Morningside Drive.

Tex., Houston—City, W. A. Moore, Sec., considering 42-ft. paving Yale St., Nineteenth to Twenty-second St.; J. C. McVea, City Engr.

Tex., Houston—City, W. A. Moore, Sec., plans paving Rice Blvd., University to Kirby; widening and paving Walker St., Austin to Dowling; paving Blissett, Reiner-mann to Kirby; bit. surface on Schwel-kart, Lyons to Market; asphalt top Roy, Washington Ave. to Long; J. C. McVea, City Engr.

Tex., Houston—Harris County, Norman Atkinson, Judge, plans Old Spanish Trail through Crosby; A. J. Wise, County Engr.

Tex., Houston—City, W. A. Moore, Sec., plans 13 blocks permanent paving, Seventy-seventh St., Baltimore St. to Navigation Blvd.; J. C. McVea, City Engr.

Tex., Jasper—Jasper County, A. S. McKee, Judge, plans 20.7 mi. gravel and asphalt surface, Highway 63, Jasper to Lufkin, \$103,500.

Tex., Lockhart—Caldwell County Commrs. Court plans \$150,000 for road building in Luling Precinct. See Financial News.

Tex., Lubbock—City plans \$225,000 street improvement. See Financial News.

Tex., Panhandle—Carson County, Asbury A. Callaghan, Judge, plans 14.5 mi. surface, Highway 117, from Sta. 317 to end of paving to Hutchinson County line; crushed rock base, asphalt top, rein. conc., or caliche base; E. M. Fuller, Res. Engr.

Tex., Plainview — Hale County, Geo. L. Mayfield, Judge, plans 31 mi. grading, draining, Highway 28, Floyd County line to Lamb County line, \$75,000; Larry O. Cox, Res. Engr.

Tex., Port Arthur—City plans shelling 8 blocks Thomas Blvd., Woodworth Blvd. to Beaumont Highway; W. O. Bower, City Engr. 9-20

Tex., Odessa—City receives bids soon for 21 blocks paving. See Financial News. 8-30

Tex., Quanah — Hardeman County, J. R. Wiley, Judge, plans 21.4 mi. grading, draining and rein. conc. pavement, Highway 51, Red River to Foard County line, \$577,800; John B. Nabor, County Engr.

Tex., Rusk—Cherokee County, A. J. Bolton, Judge, plans 2 roads: 11.1 mi. grading, bridges, Highway 40, Jacksonville to Anderson County line, \$90,000; 8.4 mi. grading, bridges, Highway 43, Jacksonville to east line of Road Dist. line, \$65,000; G. A. Bracher, Res. Engr., Jacksonville.

Tex., San Angelo — Tom Green County plans 15 mi. conc. road, east through county toward development of Southwest Highway from Dallas via Cleburne, Comanche and Brownwood to San Angelo and Fort Stockton.

Tex., San Antonio—City, Fred Fries, Clk., plans widening San Pedro Ave.

Tex., Sonora—City plans 4 blocks asphalt on hard base paving, business district, \$30,000; H. L. George, Engr.

Tex., Sweetwater — Nolan County, A. S. Mauzey, Judge, plans 7.82 mi. bit. macad. surface, Highway 70, point south of Sweetwater to Coke County line, \$74,700; S. C. Daugherty, Res. Engr.

Tex., Throckmorton—Throckmorton County, J. L. Robinson, Judge, plans 14.511 mi. grading, draining, Highway 79, Throckmorton to Young County line, \$72,000.

Tex., Waco—City, E. E. McAdams, Mgr., considering opening Clay St., Fifth to Eighth.

W. Va., Clendenin—Town, Dr. E. E. Osborne, Recorder, receives bids Oct. 8 for 6800 sq. yd. conc. pavement, grading, drainage, etc.; J. E. Settle, Engr.

W. Va., Huntington—City, Commr. Reed, considering re-surfacing with rock asphalt, Ninth and Tenth Sts.

Contracts Awarded

Ala., Birmingham — City Comm., Eunice Hewes, Clk., let contracts, \$78,660 to pave 10 streets: Dunn Construction Co., Lincoln Bldg.; Wesco Co.; Independent Paving Co., 3828 First Ave., South; Newell Contracting Co., Martin Bldg.; W. H. Pattie, Livingston; Richardson Trading Co.; Sinclair Transfer Co., 423 17th St.; Fromhold Brothers. 9-20

Ala., Montgomery—City Comm. let contract to Robt. G. Lassiter & Co., Shepherd Bldg., for 16,500 sq. yd. sheet asphalt paving, etc., on Mulberry St., Park Place to Carter Hill road.

Ala., Phenix City — City, Ashby Floyd, Mayor, let contract to Capital Concrete Co., South Jacksonville, Fla., \$64,959, to pave First St., from Holland Creek Bridge to city limits. 8-23

Ark., Brinkley—Commrs. of Paving Improvement Dist. No. 1, let contract to Forcum James Construction Co., Dyersburg, Tenn., \$164,520, for 45 blocks rein. and plain conc. paving, curbs, gutters, and underground storm drainage. 9-13

Fla., Bunnell—Flagler County Commrs. let contract to W. J. Dugan, Flagler Beach, to grade Bartlett cutoff on Moody Blvd.

Fla., Gainesville—Bd. of Bond Trustees, Special Road and Bridge Dist. No. 1, Alachua County, W. R. Thomas, Chmn., let contract to L. M. Gray for 150,000 sq. yd. single surface treatment on lime rock base, 111,000 cu. yd. excavation, including timber bridges, culverts and drainage. 9-13

La., Covington—Town, Wallace M. Poole, Mayor, let contract to Southern Roads Construction Co., Pioneer Bldg., Birmingham, Ala., \$18,227, for 8510 sq. yd. 2-in. asphaltic conc. base, 2-in. Warrenite bitulithic top, on Jahncker Ave. and Rutland St. 8-30

Miss., Hattiesburg — City, W. E. Estes, Commr.-Clk., let contract to E. A. Finch,

Citizens Bank Bldg., and Fountain & Myers, \$150,000 to pave 6 streets with brick, asphalt and conc.: West Fourth, Tenth, Camp, Concart Sts.; Twenty-first and Sixth Aves. 9-6

Mo., Jackson—City let contract to Service Construction Co., Poplar Bluff, \$44,840, for 11 blocks 30 to 40 ft. wide street paving.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, let contracts for 4 streets: Locust, Eighth to Twelfth, Gray Paving & Material Co., 1927 Vine St., \$13,250; Van Trump Court, Flinn Construction Co., 99th and Warnall Sts.; Bales Ave., Boyle Construction Co., \$10,512; College Ave., Musselman & Hall, Ry. Exch.

Mo., St. Louis—W. C. Philbrook, Mgr., Pasadena Mills, let contract to Frazier-Davis Construction Co., Vandeventer and Lindell Sts., for rein. conc. paving in Sec. 1 and 2 of subdivision.

Okla., Tulsa—City Comm. let contract to H. L. Cannady Co., 1116 S. Lewis St., \$9649 to pave Atlanta Ave., Thirteenth St. to Thirtieth Place.

Tex., Corpus Christi—City let contract to Smith Bros., Inc., Santa Fe Bldg., Dallas, \$18,714, to conc. Craig St., Staples to Fourteenth St.

Tex., Dallas—City Comm. let contract to Smith Bros., Inc., Santa Fe Bldg., to pave Parry Ave.

Tex., Dallas—City, E. R. Burt, Mayor, let contract to Central Bitulithic Co., Praet. Bldg., to pave Maryland Ave.; Uvalde Paving Co., Mont Clair St., Brooklyn to Jim Town road; Driscoll St., Colonial Ave. to H. T. & C. Ry.; Smith Bros., Inc., Buena Vista and Logan St. 9-20

Tex., Edinburg — Hidalgo County, Cam Hill, Clk., let contract to W. L. Pearson & Co., Houston, \$1,000,000 to \$1,500,000, for highways in Mission Independent Road Dist. 8-30

Tex., Harlingen—City, S. Finley Ewing, Mayor, let contract to F. P. McElwath Paving Co., Corsicana, \$30,000, for 26 blocks of paving. 9-13

Tex., Houston—Harris County, A. J. Wise, Engr., let contract to Russ Mitchell, Inc., Petroleum Bldg., \$62,000 for 1½ mi. Bates type paving Market St. road, in San Jacinto River bottoms.

Tex., Marshall—City, H. J. Graese, Mgr., let contract to Cocke & Turner, Marshall, \$56,084, for 15,370 sq. yd. 30 to 40-ft. 2½-in. brick on 4-in. conc. base paving, 7634 lin. ft. conc. curb and gutter, etc. 9-13

Va., Petersburg—City, W. F. Drewry, Mgr., let contract to Southern Construction Corp., 216 N. Sycamore St., Petersburg, \$2.10 per yd., to pave with cement East Bank and Second St., and Hogan's Alley. 9-20

W. Va., Charleston — Kanawha County Court let contracts for road and bridge: Ferguson Brothers Co., Shinnston, \$68,404, for 3 mi. 16-ft. conc. surface, Dunbar-Sattles road; Monty Brothers, Charleston, \$6381, for Allen's Fork Bridge, No. 108.

W. Va., New Cumberland — State Road Comm., Charleston, let contract to W. H. Armstrong, Fairmont, \$137,684 for 3.4 mi. Weirton-Hancock County-Pennsylvania line road.

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Montgomery—City plans expending \$100,000 for eastern outfall sanitary sewer for Highland Park section.

Fla., Tampa—Roy H. Cason, City Engr., completed plans for sewer construction program to cost \$331,000, first unit to cost \$42,520; outfalls to sewers B and C, cost \$2177; work to cover period of 2 years.

Ga., Columbus—City considering bond issue for trunk line sewers, etc. See Financial News.

Ky., Princeton—City will install complete sewage and sewage disposal plant; Black & Veatch, Consol. Engrs., 700 Mutual Bldg., Kansas City, Mo.

Md., Baltimore—Bd. of Awards receives bids Oct. 10 for sanitary sewers, Dist. G-1. See Want Section—Bids Asked.

Miss., Carthage—See Water Works.

Mo., California—See Water Works.

Miss., Decatur—City receives bids Oct. 15 for water works and sewerage improve-

ments; Morgan & Co., Engrs., Edwards Hotel Bldg., Jackson.

Miss., Forest—Bd. of Alderman receives bids Oct. 15 for paving, curb and gutter, storm sewers, water pipe connections, etc.

Miss., Hazlehurst—City soon call for bids for Georgetown sewer. 9-6

Miss., McComb—City let contract to Payton Jones, McComb, for storm drainage system; Faulkner Concrete Pipe Co., Hattiesburg, for pipe; Henry A. Mentz & Co., Inc., Consol. Engrs., Hammond, La.

Mo., St. Joseph—E. F. Mignery, 1108 Bellevue St., low bidder for sewer in Dist. No. 134; Oscar H. Schmidt, 112 N. Ninth St., for sewer in Dist. No. 34; W. B. Kelley & Co., for sewer in Dist. No. 161.

Okla., Ada—City plans creating Sewer Dists. 20, 18, 17, 19 and 16; construct sewers.

Okla., Clinton—Standard Paving Co., 2119 E. 11th St., Tulsa, has contract at \$54,000, for extension to sewers. 9-27

Okla., Hobart—Standard Paving Co., 2119 E. 11th St., Tulsa, has contract for sanitary sewers in Dist. No. 9.

Okla., Okeene—City begin construction in Dec. of \$47,000 sewage disposal plant. 8-23

Okla., Oklahoma City—City approved plans for Eastern Ave. storm sewer; soon call for bids; let contract to M. A. Swatek & Co., 519½ W. Main St., for May Ave. storm sewer.

S. C., Greenwood—City plans voting on \$50,000 sewer bonds.

Tenn., Knoxville — City, W. W. Mynott, Director of Public Service, receives bids about Oct. 15 for Vestal sewer main and laterals Williams creek trunk line. 9-27

Tenn., Nashville—Ormes & Co., Chamber of Commerce Bldg., has contract for sewer n Alley No. 955; John Oman, Chamber of Commerce Bldg., sewer in Waldkirch Ave.; W. J. Broderick, 407 Monroe St., trunk sewer in alley between Alabama and Indiana Ave.

Tex., Archer City—City receives bids Oct. 23 for sewer and water improvements. See Want Section—Bids Asked.

Tex., Aransas Pass—Municipal Engineering Co., Athletic Bldg., Dallas, will supervise installation of sewer; San Antonio Sewer Pipe Works, San Antonio, has contract for pipe. 9-13

Tex., Center—City voted \$30,000 sewer bonds.

Tex., Dilley—City receives bids Oct. 10 for sanitary sewer system and sewage disposal plant; cost \$35,000; F. J. Von Zuben, Dan Waggoner Bldg., Fort Worth, Engr.

Tex., Lubbock—City voted water works and street extension bonds. See Financial News.

Tex., San Antonio—City receives bids Oct. 15 for 36-in. steel pipe replacing present line on outfall sewer; E. H. Cumberland, City Sewer Engr.

Tex., San Antonio—City, Paul E. Steffler, Commr. of Streets, receiving bids for rebuilding 36-in. c. i. flume at outfall sewer farm; cost \$30,000.

Tex., San Antonio—John B. Hawley and S. W. Freese, Engrs., both Cotton Ex. Bldg., Fort Worth, submitted bid to city to supervise construction of storm sewers and flood control works, authorized by issuance of \$500,000 bonds. 9-13

Va., Hopewell — Professional Development and Construction Corp., T. E. Turner, Pres., 216 Hopewell Bank and Trust Co. Bldg., installing sewers in Battleground Annex; Clodfelder & Schiller, Engrs., 923 E. Main St., Richmond.

Va., Norfolk—J. P. Mahon, Box 21, Virginia Beach, has contract for sewer work and materials.

W. Va., Parkersburg—City has revised plans for constructing 8-in. sanitary sewer in eastern section connecting with Worthington Creek sewer line.

Telephone Systems

Ala., Evergreen—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., will improve telephone facilities.

Arkansas — Southwestern Bell Telephone Co., St. Louis, Mo., acquired telephone exchanges at Cacot, McKae, Higginson, De Vall's Bluff and Des Arc.

N. C., Aberdeen—E. P. Freeman acquired telephone system; will rebuild.

Textile Mills

Ala., Talladega—Bemis Bros. Bag Co., 601 S. Fourth St., St. Louis, Mo., receives bids Oct. 16 for mill units to cost \$3,000,000; provide 500,000 gal. capacity fire protection reservoir; main building, 2 stories, 643x150

ft.; weave shed, 2 stories, 664x147 ft.; picker building and opener room, 83x182 ft.; dye house, 2 story, 28x75 ft.; boiler house, 1 story, 49x49 ft.; warehouse and waste house, 1 story, 800x100 ft.; rein. conc. construction; struct. steel trusses; J. E. Sirrine & Co., Engrs., Greenville, S. C.; contractors estimating are: Seaboard and Southern Const. Co., 101 Marietta Bldg., Atlanta, Ga., and Hildebrandt Bldg., Jacksonville, Fla., and C. A. D. Bayley Co., Citizens and Southern Bldg., Atlanta, Ga.; Batson-Cook Co., West Point, Ga.; Gallivan Const. Co., Gallivan Bldg., and Fiske-Carter Co., Masonic Temple, both Greenville, S. C.; Algernon Blair, 11 S. Lawrence St., Montgomery; L. W. Hancock, Louisville Tr. Bldg., and Struck Construction Co., 147 N. Clay St., both Louisville, Ky.; The Hunkin-Conkey Const. Co., Cleveland; Gauger-Korsmo Const. Co., Fidelity Bank Bldg., Memphis, Tenn.; W. Horace Williams Co., Inc., 833 Howard Ave., New Orleans, La.; Westlake Construction Co., Harry B. Wells, Ch. Engr., 5000 Washington St., St. Louis, Mo.; Sommer Sollitt Co., 307 N. Michigan Blvd., Chicago, Ill. 8-9

Georgia—Calumet Cotton Mills, Cason J. Callaway, Pres., LaGrange, purchased two cotton mills at Hogansville and one in LaGrange, known as New England-Southern group of mills; will operate as Calumet Cotton Mills, 1, 2 and 3; manufacture tire fabric, belt and hose duck; Canvas Products Mfg. Co. recently chartered to organize with \$1,000,000 capital, plans to amend charter changing name to Calumet Cotton Mills with aggregate capital stock of \$5,000,000. 8-23

Ga., Forsyth—Persons Hosiery Mill, acquired plant are doubling capacity, installing 108 Scott and Williams machines. 9-20

Ga., Rome—Primrose Tapestry Co., Inc., 23d St. and Allegheny Ave., Philadelphia, Pa., acquired plant of McLin Textile Mills; plans enlarging present floor space by 30,000 ft.; install additional machinery; manufacture both cotton and rayon silk products.

La., New Orleans—Maginnis Cotton Mills, 1050 Constance St., let contract at \$29,500 to Lionel F. Favret, Louisiana Bldg., for 3 story, brick and frame factory building, Callopie and Magazine Sts.; rein. conc. foundations, rolling doors, wood floors, sheet metal work, etc. Company wires: "Report having bought 200 acres correct, for the moment no definite plan to build second factory either at Knoxville or any other town." 9-27

Miss., Clarksdale—Chamber of Commerce, E. P. Peacock, Pres., reported, negotiating with outside capitalists for rayon and paper manufacturing plant.

Miss., Starkville—H. O. Jones and associates, reported, interested in establishment of cotton mill.

N. C., Asheville—American Enka Corp., 114 E. 32nd St., New York City, confirms report of location of \$10,000,000 rayon plant here; capacity 30,000 lbs. viscose yarn per day; Lockwood Greene Engineers, Inc., 100 W. Forty-second St., New York City, Consit. Engrs.; H. K. Ferguson Co., 25 W. 43rd St., New York City, Building Engrs.; construction to begin immediately; A. L. Foltz, Pur. Agt. for company, let contract to Nichols Contracting Co., Atlanta, Ga., for 400,000 cu. yds. grading and excavation; received bids for conc. and struct. steel, contract to be let soon; offices of Fred Swanson, Constr. Chief of H. K. Ferguson Co., and A. L. Foltz, Asheville-Biltmore Hotel; T. M. Van den Bosch, is Ch. Engr. Constr. for Enka Corp. 9-27

N. C., Charlotte—Rayon Corporation of America, Inc., of Wilmington, Del., D. B. Hillard, Pres. (temporary address Selwyn Hotel, Charlotte), plans establishing rayon plant in Greensboro, Winston-Salem and Charlotte; plant will cost about \$3,000,000 and require site of 1500 acres.

N. C., Graham—Esther Hosiery Mills, Inc., install additional machinery.

N. C., High Point—Diamond Full Fashioned Hosiery Co., capital \$300,000, incorporated; Frank Winsek's, 801 Main St.

N. C., High Point—Adams-Mills Corp. let contract to Wm. F. Lotz for 3 story, rein. conc. mill, 107x130 ft.; cost \$100,000; C. H. Fries, Archt., both Franford and Oxford Aves., Philadelphia, Pa. 5-17

S. C., Autun—LaFrance Textile Industries, Inc., Adams St., Philadelphia, Pa., plans improvements and enlargement to plant of Pendleton Mfg. Co., lately acquired; construct weave shed, dye plant; reported, entered into contract with Duke Power Co., Charlotte, N. C., for connecting Autun plant with 44,000 volt transmission line of Duke Co. at Pendleton. 9-27

S. C., Catechee—Norris Cotton Mills Co., installing 9000 spindles, replacing old ones.

S. C., Columbia—Carolina Bag & Bagging Co., R. E. Blumenfeld, Pres., Savannah, Ga., plans erecting plant at Lincoln and Hampton Sts. to reclaim waste material from cotton mills and manufacture jute bagging; have leased building for three months for plant.

S. C., Gaffney—Gaffney Mfg. Co. let contract to Steel Heddle Mfg. Co., 21st and Allegheny Ave., Philadelphia, Pa., for full loom harness equipment for new weave room over 2,000,000 heddles required. 8-16

S. C., Spartanburg—Yarns Corp. of America, 40 W. 20th St., New York City, offering 18,000 shares convertible class A stock at \$16.75 per share to yield 7%; capitalization after this issue will consist of \$250,000 outstanding 7% gold bonds; \$530,000 of 6% preferred stock; 18,000 shares of Class A convertible, and 36,000 shares of Class B common with 18,000 additional shares of Class B reserved for conversion.

Tenn., Bemberg, P. O. Elizabethton—American Glantzstoff Corp., 180 Madison Ave., New York, reported, soon begin construction of 5,000,000 lbs. capacity viscose rayon unit, enlarging present capacity to 10,000,000; company wires: "Are not ready yet to report on any further plant expansion."

Tenn., Knoxville—American Enka Corp., 114 E. 32nd St., New York City, contracted to purchase 260 acres land in Knox County along Tennessee River mile west of Mount Olive as probable site for \$10,000,000 rayon mill.

Tenn., Sparta—Sparta Silk Mills, J. R. Tubb, Jr., has plans by Robert & Co., Inc., Bona Allen Bldg., Atlanta, for mill unit; 1 story and basement, 100x300 ft., brick walls, receive bids Oct. 9; contractors estimating are: Sam N. Hodges Co., 579 Peachtree St., and Norwood Griffin Co., Bona Allen Bldg., both Atlanta, Ga.; Martin & Warlick, James Bldg., Chattanooga; Foster & Creighton, Fourth and First Bldg., Nashville; Lee Lumber Co., A. L. Gist and J. O. Kinsey, all of Sparta; Bell Bros., Murfreesboro; T. C. Thompson, 609 N. Smith St., Charlotte, N. C. 9-20

Tenn., Winchester—John C. Welwood Corp., 2 Park Ave., New York, reported, considering establishment of silk mill; may acquire old plant of Buster Brown Hosiery Mill; install 90 looms for making silk; H. B. Alexander, Cash. of Home Bank and Robt. S. Henry, local men interested.

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Montgomery—City contemplates bond issue for extension of water works, 5,000,000 gal. reservoir, etc.; cost \$185,000.

Ala., Mobile—City, Wright Smith, Engr., receives bids Oct. 26 for erection and installation pumping equipment. See Want Section—Bids Asked.

Ark., Star City—City acquired water works system of Star City Water Works Co.; will organize improvement district and make additions and improvements; install \$30,000 fire protection system.

Fla., Clewiston—Southern Sugar Co. let contract to Harrigan & Ely, Flamingo Drive, West Palm Beach, for water filtration plant, conc. floors; cost of building \$5000; of equipment \$25,000; install pumps, from Fairbanks, Morse & Co., Chicago, and filters from International Filter Co., 333 W. 25th Place, Chicago, Ill. 9-13

Fla., Hialeah—City Comsn. authorized expenditure of \$66,000 for machinery and other materials for expansion city water plant. 9-20

Md., Baltimore—Public Improvement Comsn., approved appropriation of \$608,000 for rebuilding Vernon pumping station in Druid Hill Park and construction of water mains to serve Northwestern and Northern sections; Charles F. Goob, Ch. Engr.

Md., Eastport, Br. Annapolis—County Commrs. Arundel County passed resolution making Eastport a sanitary district placing it under jurisdiction of Anne Arundel County; will float a \$50,000 bond issue to install water mains from Annapolis to property lines in Eastport. 9-20

Miss., Calhoun City—City receives bids Oct. 16 for well water system and pumping plant; 3560 ft. 6-in., 25,270 ft. of 2-in. c.i. pipe.

Miss., Carthage—City plans constructing water works and sewerage system; votes Oct. 19 on bonds; Massena L. Culley, Consit. Engr., Jackson.

Miss., Decatur—See Sewer Construction.

Miss., Forest—See Roads, Streets, Paving.

Mo., Bismarck—City defeated \$47,000 water works improvement bonds. 8-2

Mo., California—W. B. Carter Const. Co., 1509 E. Admiral St., Tulsa, Okla., has contract for water works and sewer extensions. 8-2

Mo., Ozark—City votes Oct. 9 on \$40,000 water works bonds; erect reservoir, extend pipe line.

Mo., St. Louis—Bd. of Public Service let contract to Missouri Eng. & Contg. Co., Laclede Bldg., for rein. conc. heating tunnel between high pressure engine and filter house; iron railing between well and Chain of Rocks engine house to Shuck Iron & Foundry Co., 3145 N. 14th St.

N. C., Gastonia—City authorized \$15,000 water works bonds.

Okla., Granite—City plans well, pumping equipment, triplex pump and motor, etc., at water works; Peckham & Riggs, Engrs., 603 W. Main St., Oklahoma City.

Tex., Abbott—City votes Oct. 9 on \$15,000 water works purchase bonds.

Tex., Archer City—City receives bids Oct. 23 for water works and sewer improvements. See Want Section—Bids Asked.

Tex., Dallas—City, S. E. Moss, Water Commr., will reject all bids for \$1,200,000 new water mains including steel pipe bid; call for new bids. 8-30

Tex., Denton—City, W. N. Harris, City Engr., call for bids in about 90 days for 350 h. p. gas engine and 312 kv-a. generator, 2000 gal. centrifugal pump with motor and two 25 ton units for ice plant; erect building for light plant and ice plant; Tibbetts Const. Co., Fort Worth, has contract at \$15,705 for storage reservoir; estimated cost of improvements \$100,000. 9-6

Tex., Galveston—City received low bid from John Jacobson, 2311½ C St., for placing water main to connect Galveston with Pelican Spit; for supplying 1500 ft. of 8-in. iron pipe for main from Black Hardware Co., 2217 B St. 9-13

Tex., Lubbock—See Sewer Construction.

Tex., Waco—City will probably call for bids in Nov. on construction of \$2,000,000 water works, located at Walker's Crossing on Bosque River; reservoir will have storage capacity of 13,000,000 gals.; utilize 3000 acres; plans by Floyd & Lochridge, Constr. Engrs., Wilson Bldg., Dallas. 9-20

Woodworking Plants

Fla., Ft. Lauderdale—Tropical Veneer and Package Co., capital \$150,000, incorporated; J. F. Hirt, G. W. English.

Fla., Perry—Graham-Page Motor Co., Detroit, Mich., let following sub-contracts for constructing \$150,000 dimension mill; 50,000 ft. of floor space, 9 dry kilns, 150x20 ft.; Kiln construction, C. C. Cartwright, Oak Dale, La.; roofing, Albany Sheet Metal Works, Albany, Ga.; well, Gray Artesian Well Co., St. Augustine, Fla.; dry kiln equipment, Moore Dry Kiln Co., 843 Blanche St., Jacksonville, Fla.; boilers, Hedges, Walsh, Weldner, W. Main St., Chattanooga, Tenn.; sash, Seldon Cypress Door Co., Palatka, Fla.; brick, Standard Brick and tile Co., 460 Broadway, Macon, Ga.; lumber, Weaver-Loughridge Lumber Co., Boyd, Fla.; lumber, Wilson Lumber Co., Perry, Fla.; conc. construction, C. H. Turner, Perry, Fla.

La., Monroe—Louisiana Cooperage Co., Bonita, acquired Eckhard and Lennon mill; manufacturers barrel staves.

Tex., Rio Hondo—Rio Hondo Crate & Lumber Co., capital \$10,000, incorporated; Louis S. Witte, Cl. Maddox.

Tex., San Antonio—Judge M. A. Childers and associates plan organizing company with \$400,000 capital to manufacture boxes and crate for shipping fruits and vegetables.

FIRE DAMAGE

Ala., Athens—Fred Christopher Gin, near Elk River Mills; loss \$10,000.

Ala., Phenix City—Kavlin Brick Co., loss \$45,000.

Ala., Selma—Interstate Cotton Gin Co.'s plant, 1315 Jeff Davis Ave.; loss \$25,000.

Ark., Blytheville—George Faught Mercantile Co.'s store.

Ark., El Dorado—Rex Theater on S. Washington Ave.; loss \$10,000.

Ark., Fayetteville—Ray Parker's residence, S. Hill St.; loss \$6000.

Ark., Little Rock—Canning plant; loss \$10,000; Ralph Carlock, Mgr.

Ark., Pocahontas—Joe Decker Hotel; loss \$15,000; Joe Peters' building; loss \$10,000.

Florida—Dwelling, dance hall and lunch room on farm in Levy County owned by W. R. Courtney, member, Courtney Construction Co., Jacksonville, Fla., and Florence, S. C.

Fla., Key West—Ketching Printing Co.'s plant; loss \$12,000.

Fla., Melbourne—Floridian Steam Laundry building; loss \$10,000.

Ga., Atlanta—Residence of F. M. Morgan, 1126 Murphy Ave., S. W.

Ga., Calhoun—Fred Daves' warehouse; loss \$15,000.

Ga., Cordele—Cordele Sash, Door and Lumber Co.'s plant; loss \$40,000.

Ga., Moultrie—Davis Jenkins & Sons' saw mill; loss \$25,000.

Ky., Louisville—Cullen Transfer Co.'s garage and stable, Pearl Ave.; loss \$8000.

Ky., Paducah—Residence, 801 N. 23rd St., owned by Caswell B. Crossland, Sr.; loss \$8000.

La., Alexandria—Residences of J. L. Dixon and Mrs. Alice Sorton, Donahue Ferry Rd., latter owned by Miss Nolan Parks, Glenmora; loss \$7500.

La., Many—O. E. Williams Mercantile Co.'s store; loss \$50,000.

La., New Orleans—Plant occupied by Wilburn Ice Co., 421 Port St.; loss \$20,000; Nat. W. Wilburn, owner.

Md., Baltimore—Three upper floors of 5-story building in rear of 216 W. Lexington St., occupied by Grant's Department Store and Stewart & Co.

Md., Baltimore—Building, Howard and Ostend Sts., occupied by Parker Metal Decorating Co.; George Parker, owner.

Miss., Carrollton—T. J. Fox's residence.

Mo., St. Charles—Music Hall of Lindenwood College; loss \$20,000; Dr. John L. Roemer, Pres.

Mo., St. Louis—Building of Turner Devices, Inc., 4449 Papin St., manufacturers of celluloid trimmed drawing instruments.

Mo., St. Louis—Tower Grove Foundry Co., Inc., 4436-58 Hunt Ave., 2-story building used as cupolo department.

S. C., Allendale—L. C. Bennett's residence.

S. C., Greenville—Fred D. Lott's residence, Glenn St., Eastover.

S. C., Union—Mrs. Violet Swigert Hope's residence.

Tenn., Kingston—James Cran's saw, grist and planing mill, Race St.; loss \$10,000.

Tenn., Memphis—J. P. J. Bruce Vinegar Works building, 202 E. Mallory Ave.

Tex., Cameron—Yarrellton Gin, owned by R. L. Batte; loss \$30,000.

Tex., Cameron—Wyatt Miller's residence.

Tex., Dallas—Hangar No. 11 at Love Field; loss \$13,000; used by B. F. Brooks Construction Co., Inc.

Tex., Dallas—Mrs. Myrtle R. Hemslee's residence.

Tex., Houston—Dedman Foundry and Machine Co.'s building, Buffalo St.; loss \$10,000.

Tex., Houston—Dr. L. W. Sackett's residence, 1629 Bonnie Brae St.; loss \$12,000.

Tex., Livingston—J. W. Wilson's residence.

Tex., Prairie View—Hospital at Prairie View State Normal and Industrial College.

Tex., Tyler—Bergfield Building on North Broadway.

W. Va., Paradise—Ransom Kellys residence.

La., Shreveport—Central Christian Church receives bids Oct. 8 for Sunday school, 856 Hope St.; brick, 3 stories, 50x110 ft.; remodel church; \$70,000; Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg. 8-30

Md., Baltimore—Grace E. L. Church erect \$45,000 building, Harford and Batavia Aves.; brick, 2 stories, 88x70 ft., slate roof, steam heat; E. G. Blanke, Archt., Professional Bldg.; Adam Kratz & Son, Contrs., 118 S. Carrollton Ave.

Md., Dundalk, Baltimore—St. Rita R. C. Church, Rev. J. L. Wiedenham, Pastor, erect \$50,000 building, Shipping Place Road; brick, 1 story; E. G. Blanke, Archt., Prof. Bldg., Baltimore; probably will not be erected for at least a year.

Md., Frederick—Calvary M. E. Church, Rev. C. E. Williams, Pastor, 19 E. Church St., probably call for bids about Nov. 1 on church, Sunday school, parish house and parsonage; \$250,000. Colonial type, 2 and 3 stories, Catocin Mt. stone; Jos. Urner, Archt., Court St., Frederick; W. I. Collier, Heating Engr., 522 Park Ave., Baltimore. 5-31

Mo., Kansas City—St. Agnes Catholic Church, Rev. J. A. Ordning, Pastor, erect \$125,000 church and parochial residence, connected by cloister, 47th and Adams Sts.; rein. conc. and stucco, 62x180 ft., accommodate 700; Edgar C. Faris, Archt., Balcony Bldg.

Mo., Marshall—Methodist Episcopal Church, Mrs. L. Blosser, Pastor, Bldg. Comm., erect 1-story brick building; Owen Saylor & Payson, Archts., 505 Interstate Bldg.; bids in.

Mo., St. Louis—St. Louis Baptist Mission Bd., Rev. S. E. Ewing, Pres., Security Bldg., about ready for bids for \$50,000 church, W. Florissant and Mimika Sts.; 2 stories and basement, 42x70 ft., hardwood floors and trim, art glass, steel trusses and columns, slate or comp. roof; L. B. Pendleton, Archt., DeMenil Bldg.

Mo., St. Louis—St. Matthews Lutheran Church, Rev. L. A. Wisler, Pastor, 5471 Gilmore Ave., erect \$65,000 brick and conc. bldg., Gilmore and Harney Aves.; 1 story, about 106x40 ft.; Theo. Steinmeyer, Archt., Intl. Life Bldg.

N. C., Greensboro—Synodical Conference, Lutheran Church, Rev. C. F. Drewes, Director of Missions, 3407 Halliday St., St. Louis, Mo., plans church and school for negroes, Washington and Benbow Sts.; former brick, \$20,000; latter frame, \$10,000.

N. C., High Point—Church of Christ, care Y. M. C. A., plans church, N. Hamilton and State Sts.; to be called North Hamilton Street Church of Christ.

Okla., Cherokee—Roman Catholic Church erect \$20,000 building, site present structure. Address The Pastor.

Okla., Edmond—First Methodist Church has low bid at \$42,210 from Stewart & Archer, Purnell, for building; Hawk & Parr, Archts., Cotton Exchange Bldg., Oklahoma City. 8-9

Okla., Howe—Assembly of God erect church. Address The Pastor.

Tex., Fort Worth—Hemphill Heights Methodist Church, Rev. Phil E. Chappell, Pastor, plans frame Sunday school addition.

Tex., Houston—Central Baptist Church plans 3-story brick veneer Sunday school; probably start work within 30 days. Address The Pastor.

Tex., Houston—St. Pauls Methodist Church, Rev. J. N. R. Score, Pastor, rejected bids for \$600,000 church and Sunday school, Main Blvd. and Calumet St.; to revise plans; Alfred C. Finn, Archts., Bankers Mortgage Bldg. 8-23

Tex., Sherman—Key Memorial Methodist Church erect 1-story frame Sunday school annex. Address The Pastor.

City and County

Ky., Cynthiana—City Bd. of Commrs. votes Nov. 6 on \$50,000 city building, Walnut St., site present structure; accommodate fire department, jail, assembly room and auditorium.

La., Lake Charles—City erect brick fire station, Gray St.; E. W. Phillips, Archt., 1021 Kirkman St.; bids Oct. 1.

La., Shreveport—City Commission Council has low bid at \$413,964 from Glassell-Wilson Co., Shreveport, for municipal auditorium, Grand Ave. and Reynolds St.; low bid on elect. work, \$32,287 from Hart Enterprise Electric Co., 826 Baronne St., New Orleans; heating and ventilating bid, \$40,941, from Dixie Heating and Ventilating Co., 109 Fannin St., Houston, Tex.; Jones, Roessle,

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ga., Atlanta—Prince Hall Masonic Temple Assn., Dr. Thos. Slater, Chmn., Bldg. Comm., 158½ Auburn Ave., receives bids Oct. 5 for temple, Auburn Ave. near Butler St.; \$75,000; 3 stories and basement, 50x100 ft., brick, lime stone and cast stone trim, cone foundation, conc. tile and wood floors, tar and gravel roof, steam heat; Edwards & Sayward, Archts., 101 Marietta Bldg.; following contractors estimating: Alex. Hamilton, Alken & Faulkner, W. T. Jones, R. E. Pharrow, 627 Irwin St., N. E.

Ga., Valdosta—Ancient Free and Accepted Masons plan temple.

La., Plaquemine—Plaquemine Council, Knights of Pythias, Main St., plans \$15,000 lodge and dance hall building; brick and conc., 1 story, 34x117 ft.

Mo., St. Louis—Young Men's Hebrew Assn., Gilbert Harris, 724 Union Ave., erect brick and rein. conc. addition to clubhouse, 5242 Enright Ave.; 2 stories, 80x70 ft., comp. roof, extend steam heating system; Will Levy, Archt., Dolph Bldg.; bids in.

Okla., Ardmore—Aahmes Grotto Lake Assn. raising funds for artificial lake and clubhouse near Ardmore; \$90,000; earth dam for lake; clubhouse construction not determined; architect not selected; Chas. E. Clowe, Engr.; \$50,000 loan required.

S. C., Orangeburg—Salvation Army, H. R. Sims, Pres., Advisory Bd., plans to soon call for bids for citadel; 2 stories, 25x75 ft. 5-3

Tex., Berea—Ancient Free and Accepted Masons erect \$40,000 temple; brick and cut stone, 2 stories and basement; H. A. Churchill and John T. Gillig, Archts., Lexington; bids in.

Va., Richmond—Morris Plan Bank of Virginia, Eighth and Main Sts., Thos. C. Boushall, Pres., remodeling bldg. for enlarged banking quarters.

Bank and Office

D. C., Washington—J. A. Langford, Archt., 1750 8 St., N. W., drawing plans for \$30,000 office and store building; limestone and brick, 3 stories; 3 stores.

D. C., Washington—Southern Railway System, Fairfax Harrison, Pres., receives bids Oct. 18 for executive headquarters office building, 14th and K Sts., N. W.; \$2,000,000,

brick, 10 stories; Waddy B. Wood, Archt., 16 Jackson St., N. W., Washington; John W. Cowper Co., Inc., Fidelity Bldg., Buffalo, N. Y., estimating. See Want Section—Building Material and Equipment. 4-5

Fla., Jacksonville—Afro-American Insurance Co., 101 E. Union St., remodel 3-story and basement building; \$25,000; Oehme & Nippel, Archts., 1503 Lynch Bldg.

La., Alexandria—Home Building and Loan Assn., Front and DeSoto Sts., erect \$20,000 brick building, Fourth St.; razing dwelling on site.

Mo., Independence—First National Bank, B. Zick, Pres., erect \$125,000 bank and office bldg.; brick, 5 stories; Madorie & Bihr, Archts., Continental Bldg.; H. Noble, Struct. Engr., Security Bldg., both Kansas City.

Va., Portsmouth—Stockholders to erect professional office building, High and Washington Sts., have low bid at \$199,795 from Johnson Construction Co., Law Bldg., Norfolk, for 7-story building; brick and terra cotta; 7 stories on first floor; Peebles & Ferguson, Archts., Law Bldg., Norfolk. 9-20

Va., Richmond—American National Bank, Tenth and Main Sts., reported, considering selling present structure and erecting \$1,250,000 to \$2,000,000 bank and office bldg.; probably 14 stories.

Churches

Ala., Avondale, Birmingham—James A. M. E. Church, Harmon St. and Fifth Ave., erect brick and tile building; 1 story and basement, 40x90 ft., comp. roof, hot air heat; Geo. Gehred, Archt., Lincoln Life Bldg.; bids in.

Ark., Horatio—Methodist Church remodel building. Address The Pastor.

Ga., Albany—First M. E. Church has low bid at \$92,050 from A. C. Knight, Albany, for remodeling and enlarging church and erecting Sunday school; Dunwoody & Oliphant, Archts., 460 Broadway, Macon.

Ga., Atlanta—First Baptist Church, Col. B. L. Bugg, Chmn., Bldg. Comm., Henry Grady Bldg., have plans ready about Oct. 6 for \$450,000 church and Sunday school, Peachtree St. near Fifth St.; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.; Burge & Stevens, Asso. Archts., 101 Marietta Bldg., Atlanta. 3-29

Olschner & Weiner, Archts., Ardis Bldg.; Seymour Van Os, Asso. Archt., Merchants Bldg., both Shreveport. 9-27

Miss., Kosciusko—Mayor and Bd. of Aldermen plans city hall, W. Jefferson St.

Mo., Kansas City—City, H. F. McElroy, City Mgr., 1020 Central St., erect \$24,000 fire station No. 31, Troost Ave. and 46th St.; brick, 2 stories; Madorie & Bahr, Archts., 1106 Continental Bldg.

Mo., St. Louis—Board of Public Service, City Hall, has low bid at \$63,793 from Woermann Construction Co., Synd. Tr. Bldg., for cottage for delinquent girls, Meramec Hills near Valley Park. 9-13

N. C., Fairmont—City Commission received bids Oct. 4 for municipal hotel building; Stiles S. Dixon, Archt., Fayetteville; separate bids for heating and plumbing. 6-7

Okla., Wewoka—City plans library. Address City Council.

Tenn., Knoxville—Knox County Bd. of Commrs., S. O. Houston, County Judge, let contract after Oct. 1 for remodeling county jail; \$10,000; Baumann & Baumann, Archts., 813½ Market St.

Tex., Arlington—City plans city hall, W. Main and Pecan Sts. Address City Council.

Tex., Houston—City, W. A. Moore, City Sec., about ready for bids on 2 police substations, North Side and Heights West End district; \$19,000 each; plans by W. A. Dowdy, City Archt. 8-16

Tex., Weatherford—City, S. M. Field, City Engr., plans city hall and fire station; plans not accepted; probably call bond election.

Dwellings

Ala., Birmingham—W. L. Harsh, 2318 Pumphouse Road, erect \$20,000 residence, Mountain Brooke Estates; brick veneer, 2 stories, slate roof, steam heat; J. F. Surman, Archt., Comer Bldg.

Ala., Fairfield—E. K. Miller, 833 Valley Road Place, erect \$18,500 brick veneer residence; 2 stories, 28x36 ft. oak floors, tile bath, slate roof, steam heat; Brooke B. Burnham, Archt., Comer Bldg.; bids in.

Ala., Lineville—Mrs. John H. Ingram, Jr., erect frame and stucco residence; 1 story, pine and oak floors, shingle roof, metal lath; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ala., Tuscaloosa—L. T. Whatley, 406 Twenty-seventh Ave., erect hollow tile and stucco residence; 1 story, pine and oak floors, shingle roof, metal lath; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ala., Vernon—G. G. McDaniel & Son erect face brick veneer residence; 1 story, pine and oak floors, shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ark., Arkadelphia—H. A. Ross erect face brick veneer residence; 1 story, oak, pine and tile floors, shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ark., Fort Smith—Gus Degen erect face brick residence; pine and oak floors, asbestos shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ark., Jonesboro—J. W. Swanson erect face brick veneer residence; 1 story, oak floors, shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Ark., Little Rock—K. E. N. Cole, 4701 Hillcrest St., erect \$12,000 brick veneer duplex, 815 N. Beech St.

D. C., Washington—W. G. Irving, 4911 W St., N. W., has permit for 4 dwellings, 3720-26 Warren St., N. W.; brick and tile, 2 stories; \$36,000.

D. C., Washington—Robt. Munro, 1901 Wyoming Ave., erect 2 brick dwellings, 618-22 Fern Place, N. W., after plans by Gilbert L. Rodler, Archt., 1701 I St., N. W.; 2 stories; \$16,000. 9-27

D. C., Washington—Eaton & Co., 1010 Vermont Ave., N. W., have permit for \$10,000 dwelling, 3629 Windom Place, N. W.; brick and tile, 2 stories.

D. C., Washington—F. W. McConihe & Co., Duryea Bldg., have permit for \$50,000 dwelling, 2434 Belmont Road, N. W.; stone and tile, 3 stories.

D. C., Washington—Chas. D. Sager, 924 14th St., N. W., has permit for 5 brick dwellings, 2302-10 E St., N. E.; 2 stories; \$25,000.

D. C., Washington—Dr. Thos. Foster, 4217 Brandywine St., N. W., has permit for \$10,000 residence, 4211 Chesapeake St., N. W.; cinder block, 2 stories.

Fla., Clearwater—City Commr. Alfred Wallace erect residence.

Fla., Daytona Beach—Jas. Laughlin, 719 School St., Pittsburgh, Pa., erect \$50,000 winter residence.

Fla., Homestead—Frank Belts started work on 50x30-ft. residence.

Fla., Jacksonville—H. W. Porter, St. James Bldg., erect \$10,000 residence, 1350 Willow Branch St.; brick veneer, 2 stories.

Ga., Atlanta—A. H. Thurmond, Jr., plans residence, Clifton Road, Druid Hills.

Ga., Atlanta—N. M. Yancey, 252 Stovall St., N. E., plans residence, Oakdale Road, Druid Hills.

Ga., Atlanta—Mrs. Mattie B. Boyd plans residence, Oxford Road, Druid Hills.

Ga., Atlanta—Sam Herzfeld has low bid from West Point Iron Works, West Point, for residence; R. Kennon Perry, Archt., Wynne-Claughton Bldg., Atlanta. 8-23

Maryland—Dr. E. W. Titus, Rochambeau Apt., Washington, D. C., erect Summer residence, Broadwater Way, Gibson Island, near Baltimore.

Md., Baltimore—Stephen Harwood, 10 E. Fayette St., erect 6 brick dwellings, 3000 block Gwynns Falls Pkwy.; stories; \$18,000.

Md., Baltimore—Chas. E. Schloegel erect 13 brick dwellings, Chatham Road and Hicks Ave.; 2 stories; \$52,000.

Md., Baltimore—L. F. Turnbull, 211 E. Fayette St., let contract to J. H. Sier, 3705 Chatham Road, for \$20,000 residence, Homeland; cinder block and stucco, 2½ stories; C. H. Hebrank, Archt., Cent. Sav. Bank Bldg. 9-20

Md., Baltimore—Geo. R. Morris, Morris Bldg., erect \$45,000 residence, Charles St. Ave.; brick, 2 stories; Palmer & Lambdin, Archts., 513 N. Charles St.

Md., Hagerstown—C. E. Kountz, Archt., 115 Young Bldg., drawing sketches for \$25,000 dwelling.

Mo., Clayton, St. Louis—F. Sonnemann, 6315 San Bonita St., erect \$10,000 residence, Moorland Park; brick, 36x40 ft.

Md., Frederick—Ernest R. Dodd erect residence, Fairview Ave., Rosemont Addition.

Mo., Springfield—G. Olendorf, Meadowmere Place, considers erecting \$35,000 residence.

Mo., St. Louis—Schulte & Tarling, Archts., Grand St. Louis Bldg., drawing plans for \$20,000 dwelling, Wydown Blvd. near Skinker Road; brick, 2 stories and basement, 45x30 ft., hardwood floors, tile bath, shower, slate roof, hot water heat, elect. refrigerator.

Mo., St. Louis—Gus Hartman, care L. J. Graham, Archt., 4885 Natural Bridge Road, erect brick and stucco residence; 1½ stories and basement, 54x52 ft., tile bath, hardwood floors, slate roof, vapor heat, incinerator; bids in.

Mo., St. Louis—J. W. Mattingly, care National Indemnity Co., 3820 Washington Blvd., erect \$15,000 residence, Claytonia Terrace; 2 stories and basement, 31x39 ft., tile bath and roof, hardwood floors, hot water heat, oil burner; Clarence A. Koenig, Archt., 2036A Russell Ave.

Mo., St. Louis—Andy Hellweg, 4215 N. Euclid Ave., erect \$12,000 duplex; brick, 2 stories and basement, 24x43 ft., tile bath, hardwood floors, comp. shingle roof, hot water heat; A. Meyer, Archt., Cent. Natl. Bk. Bldg.

Mo., University City, St. Louis—Bethel Lutheran Church erect \$12,000 parsonage, Forsythe and Big Bend Roads; brick, 2 stories and basement, 37x30 ft.; Kenneth Wiesmeyer, Archt., 7136 Waterman Ave.; bids in.

Mo., University City, St. Louis—Victor Rahmoeller, care Carl E. Etz, Archt., Title Guar. Bldg., erect \$10,000 residence, 7200 Forsyth Blvd.; brick, 2 stories and basement, 20x32 ft., tile bath, hardwood floors, comp. shingle roof, hot water heat.

N. C., Charlotte—Mrs. Geo. Norman erect \$13,000 residence, 2022 Sherwood Ave.; 9 rooms.

N. C., Charlotte—B. C. Glover, 9 S. Clarkson St., erect \$12,000 duplex, 2341 E. Fifth St.; 10 rooms.

N. C., Charlotte—S. L. Ray, 321 W. Ninth St., erect \$10,000 residence, 315 Beverly Drive; brick veneer, 2 stories.

Okla., Oklahoma City—Dr. J. A. Ryan plans \$10,000 residence, 809 E. 20th St.

Tenn., Chattanooga—Ralph Cameron, 89 Alta Vista Drive, and Joe S. Mitchell, 2402 E. Fourth St., erect 20 dwellings, Shady Lane and Kilmer Sts., Glenwood; \$250,000; brick, tile roofs, 6 to 8 rooms.

Tenn., Memphis—R. W. Brewster, 1253 S. Belvedere St., erect frame and stucco residence; 1 story, pine and oak floors, shingle roof; Ye Planry, Inc., Archt., 1713½ Live Oak St., Dallas, Tex.

Tenn., Memphis—J. A. Haley, Exch. Bldg., plans \$15,000 brick veneer dwelling, Chickasaw Gardens, after plans by R. L. Sieg, Archt., First Natl. Bank Bldg.; 1½ stories and basement, oak floors, tile bath, comp.

roof, steam heat, garage and servants' quarters. 8-9

Tenn., Memphis—John L. Gray, 1735 Tutwiler St., erect \$11,000 residence and garage, 695 University St.; brick veneer, 8 rooms; J. A. Haley, Contr., Natl. Bank Bldg.

Tenn., Nashville—Wentworth Caldwell, Harding Road, erect brick and stone residence, Belle Meade Park; 2 stories and basement, 55x35 ft. with 13x20-ft. wing; Tisdale, Stone & Pinson, Archts., Ind. Life Bldg.; bids in.

Tex., Austin—Mrs. Florence Konz, 810 W. 22nd St., erect \$10,000 residence, 17th St.; brick veneer, 2 stories; Weise Bros., Contrs.

Tex., Houston—W. C. J. Marquart, 502 Merrill St., erect 2 brick veneer dwellings; 9 and 5 rooms; \$11,000.

Tex., Mercedes—Newell Waters, Archt., erect \$15,000 residence near Mercedes.

Tex., Point Isabel—Wm. Pattee has plans about ready for brick and stucco residence; \$25,000; 2 stories, 9 rooms, conc. foundation; F. H. Trimble, Archt. 9-6

Tex., Pflugerville—Herman Ahrend erect residence; frame or brick veneer, 1 story and basement, 36x45.6 ft., oak and tile floors, asbestos shingle roof, furnace hot air heat; bids Oct. 5 by H. F. Kuehne, Archt., Littlefield Bldg., Austin.

Tex., San Antonio—Dr. Augustus F. Herff, Med. Arts Bldg., erect Colonial residence, Terrell Hills; frame and stucco, 2 stories, 7 rooms, 2 baths; Herff & Jones, Archts., S. A. Loan & Tr. Bldg.

Tex., San Antonio—Mrs. Ferdinand Herff, 615 E. Ashby Place, erect Spanish type residence, Terrell Hills; frame and stucco, 2 stories, about 10 rooms, 2 baths; Herff & Jones, Archts., S. A. Loan & Tr. Bldg.

Government and State

Ala., Anniston—War Dept., John D. Kilpatrick, Major, Q. M. C., Asst. Quartermaster General, Washington, D. C., may have plans ready by Oct. 15 for \$200,000 rein. conc. and brick barracks bldg., Camp McClellan. 3-29

Ark., Marianna—Arkansas National Guard, Jos S. Harris, Adjt.-Gen., Pine Bluff, having plans drawn by Durward F. Kyle, Archt., Cit. Bk. Bldg., Pine Bluff, for \$20,000 armory. 9-20

D. C., Washington—Government, David Lynn, Architect of the Capitol, having plans drawn by Carrere & Hastings, 52 Vanderbilt Ave., New York, for reconstructing and relocating Senate Chamber in Capitol; Chamber to be brought forward to exterior wall of Senate wing to provide direct outside lighting; cost \$500,000; considering bids for air conditioning and ventilation in connection with these improvements. 8-23

D. C., Washington—Treasury Dept., Jas. A. Wetmore, Act. Supvy. Archt., has low bid at \$1,159,700 from Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md., for foundations for \$17,000,000 building for Department of Commerce; York & Sawyer, Archts., 100 E. 42d St., New York; Edw. H. Bennett, Conslt. Archt., 80 E. Jackson Blvd., Chicago. 9-20

Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, Army Medical Center; bids Oct. 9 for road, sewer and water connections, etc. (See Roads, Streets and Paving.)

Ga., Columbus—City Comsn. considers calling election on bonds, including amount for enlarging hospital.

Miss., Aberdeen—City votes Oct. 30 on \$50,000 hospital bonds. Address Bd. of Aldermen.

Miss., Kosciusko—King's Daughters Circle plans hospital, S. Natchez St.; raising funds.

Miss., Meridian—Following contractors estimating on alterations and additions to Matty Hersee Charity Hospital, bids Oct. 11 at State Capitol Bldg., Jackson: McArthur & McLemore, M-W Bldg.; E. J. Vaughan; L. W. Hancock, 26th Ave., all Meridian; Howell Construction Co., Philadelphia; R. C. Springer, Archt., Rosenbaum Bldg., Meridian. 9-20

N. C., Pinehurst—Moore County Hospital receives bids Oct. 2 for fireproof hospital; \$150,000; rein. conc., brick and stone, 2 stories and basement, comp. roof; Saml. Hannaford & Sons, Archts., Dixie Term. Bldg., Cincinnati, O.; bids Oct. 2.

Tenn., Memphis—Oakville Memorial Sanatorium Bd. of Trustees, L. W. Hughes, Chmn., has low bid from Meers & Walenti, 63 S. Third St., for addition; Jones & Furbringer, Archts.; Gardner & Howe, Engrs., both Porter Bldg. 8-9

Tenn., Nashville—Junior League Home for Crippled Children, Ninth Ave. and Monroe St., purchased site, Craighead and White

Aves.; erect 25-bed building; Donald Southgate, Archt., Nashville Tr. Bldg.; F. B. Warfield, Engr., Stahlman Bldg.

Tex., Llano—Chamber of Commerce, T. Y. Hill, Pres., interested in erection of hospital.

Hotels and Apartments

Ala., Birmingham—W. I. Tillman, care H. D. Breeding, 110 N. 21st St., erect \$58,000, 3-story, 36x98-ft. brick apartment, Juniper Ave. and 29th St., S.; steam heat, comp. roof, tile baths.

Ark., Harrison—A. L. Lane, Gleason Hotel, Little Rock, plans \$100,000 hotel on Rush Ave.

Fla., Tampa—C. G. Phillips, 908 Grand Central Ave., erect \$15,000 apartment on Columbia drive.

Fla., Pass-a-Grille—Warren Webster and associates reconstruct Hotel Lizotto and develop amusement park.

La., New Orleans—R. Mackenroth, 4433 Canal St., receives bids Oct. 10 for \$40,000, 2-story, hollow tile, 21-apartment; tile and comp. roof, built-in features; plans from A. J. Nelson, Archt., 207 Camp St. 9-27

Miss., Ruleville—Ruleville Hotel Co., A. L. Pentecost and others, receives bids Oct. 8 (extended date) for \$50,000, 2-story and basement, rein. conc., brick, stone trim hotel; built-up roof; plans from Emmett J. Hull, Archt., Merchants Bank and Trust Bldg., Jackson. 9-27

Mo., Mexico—Greater Mexico Realty Co. erect 3 or 4 story fireproof hotel.

Mo., St. Louis—Margaret Realty Co., care J. T. Potashnik, 904 Chestnut St., soon start work on \$100,000, 3-story and basement, 53x160 ft., brick, 36-apartment; stone foundation, stone and terra cotta trim, comp. and slate roof, tile baths, hardwood floors; O. J. Popp, Archt., 1528 Arcade Bldg.

Mo., St. Louis—D. R. Harrison, Archt., 1106 Ambassador Bldg., reported, prepared plans for 15-story and basement, 73x150 ft., brick and rein. conc., hotel apartment, Delmar Blvd.; Brussel & Viterbo, Struct. Engr., 1630 Arcade Bldg.

Mo., St. Louis—Otto Ritcher, 3503 Pine Grove Ave., erect \$45,000, 3-story and basement, 115x30 ft., brick apartment, Lillian and Queens Ave.; comp. roof, tile baths, hardwood floors, terra cotta trim, steam heat; Gill & Jackson, Archts., 520 Buder Bldg.

Mo., St. Louis—L. Gross, care Schulte & Tarling, 222 Grand St. Louis Bldg., erect \$12,000, 2-story and basement, 25x45 ft., brick apartment, Maffitt Ave., west; asphalt shingle roof, hardwood floors, tile bath, hot air heat.

Mo., St. Louis—A. H. Tucker, care Carl E. Etz, 417 Title Guaranty Bldg., erect two 3-story and basement, 57x81 ft., brick apartments, Blue Ridge terrace; \$150,000, tar and gravel roofs, terra cotta trim, terrazzo and oak floors, steam heat, refrigeration.

Mo., St. Louis—H. J. Rush and others, care Rush, Lee & Rush, Archts., 6038 Delmar Blvd., reported, having sketches revised for 15-story, 116x200 ft., rein. conc., brick, steel, granite stone, terra cotta trim hotel at Delmar Blvd. and Des Peres Ave.

Mo., St. Louis—Etrick Realty Co., care A. B. Ridington, Archt., 818 Olive St., reported, erect 12-story and basement, 112x150 ft., rein. conc., brick, steel, stone, terra cotta apartment, 718-28 N. Kingshighway.

Mo., University City, St. Louis—Blasdel Shapleigh, 3 Southmoor St., erect \$15,000, 2-story and basement, 27x65 ft., brick apartment, University Park; hardwood floors, hot water heat; Gill & Jackson, Archts., 520 Buder Bldg.

N. C., Winston-Salem—E. E. James of James-Conrad Co., Masonic Temple, erect 4-family apartment on Brantley St.

N. C., Winston-Salem—D. C. Crutchfield, Jr., erect 2 apartments on Beaumont St.

Okl., Oklahoma City—M. Corbyn, reported, erect \$500,000, 6-story apartment, 10th and Harvey Sts.; shops on first floor, 110 apartments; Hawk & Parr, Archts., First Natl. Bldg.

Okl., Tulsa—Mrs. F. E. Bossard erect \$25,000, 2-story and basement, brick, 8-apartment; Everett Bossard, Archt.

Tenn., Franklin—Mrs. Margaret Crutcher Watkins erect \$50,000, 3-story and basement, 40-room hotel at Five Points.

Tex., Burnet—L. C. Chamberlain erect \$20,000 hotel.

Tex., Corpus Christi—F. E. Jones, 5131 Euclid St., Kansas City, Mo., and associates, reported, erect \$150,000 hotel on Padre Island near Corpus Christi.

Tex., Dallas—E. E. Alcott, 3312 St. Johns Drive, erect \$10,000, brick veneer, 2-apartment, 2901-3 Fitzhugh St.

Tex., Dallas—S. W. Coulter, 1314 E. Pike St., erect two 2-story, brick veneer, 10-room apartments, 4014-20 Prescott St.; \$16,000.

Tex., El Paso—W. L. Tooley, owner and Mgr., Hotel Knox, 216 San Francisco St., erect \$100,000, 42-room addition; Spanish architecture; O. H. Thorman, Archt., First Natl. Bldg.

Tex., Georgetown—Chamber of Commerce, Owen W. Sherrill, Pres., promoting erection \$100,000 hotel.

Tex., Lockney—Artie Baker, Chmn., Bd. of Directors, and associates erect \$50,000 hotel, Main and Locust Sts.

Tex., Plainview—Hilton Hotel Co., C. N. Hilton, Pres., Hilton Hotel, Dallas, soon let contract for \$225,000, 8-story, 110-room hotel, Austin and 6th Sts.; Henry C. Knight, Archt., Wilson Bldg., Dallas; Curtis & Thomas, Asso. Archts., Post-Dispatch Bldg., Houston. 6-28

Tex., San Antonio—Max Mazur, 115 Military Plaza, erect 2-story frame, 4-apartment, 812 Camden St.

Tex., San Antonio—C. Buerkle and associates, care G. Willis, Archt., Builders Exchange Bldg., reported, erect \$350,000, 7-story and basement, brick, stone tile and rein. conc. apartment, Argyle and Encino Aves., Alamo Heights.

Tex., San Antonio—C. M. Hargrove erect 6-story apartment, E. Market and S. Alamo Sts.

Miscellaneous

La., New Orleans—Following contractors estimating on \$250,000, 2-story, 60x230 ft., brick, steel and fireproof club building for Young Men's Gymnastic Club, 224 N. Rampart St., date opening bids not set: O. M. Gwin Construction Co., Union Indemnity Bldg.; J. A. Petty & Sons, Inc., Godchaux Bldg.; Geary-Oakes Co., Queen and Crescent Bldg.; R. P. Farnsworth & Co., Maritime Bldg.; Lionel F. Favret, Louisiana Bldg.; Dudley & Wike Construction Co., Stern Bldg.; Gervais P. Favrot, Balter Bldg.; Geo. J. Glover Co., Inc., Whitney Bldg.; John Riess, New Orleans Bank Bldg.; Underwood Contracting Corp., Louisiana Bldg.; J. V. & R. T. Burkes, New Orleans Bank Bldg.; Diboll & Owen, Archts., Canal Bank Bldg. 9-20

Mo., St. Louis—Eugene H. Paulus, 4955 Northland Place, preparing plans for \$35,000 restaurant and tea garden.

N. C., Raleigh—Sacred Heart Cathedral, Father Griffin, erect 2-story, stone, 20-room convent, Edenton and McDowell Sts.; slate roof.

Okl., Chickasha—Walter P. Brown soon call for bids for \$22,000, 2-story and basement, brick and frame funeral home; hardwood floors, comp. roof, elevator; E. H. Eads & Co., Archts.

Tenn., Elizabethton—R. N. Edwards, Indianapolis, Ind., and others organizing Four Hundred Club and erect \$40,000 clubhouse in Rio Vista on Watauga River.

Tex., Brownsville—Brownsville Real Estate Bd. interested in erection of community house.

Tex., San Antonio—Catholic Diocese, A. J. Drossaerts, Bishop, received low bid from Martin Ebrest for girls' building, chapel and arcade at St. Peter's Orphanage, Conception road; wiring, Alterman & Cude, 113 S. Flores St.; plumbing, Ed. Hudson, 302 E. Commerce St.; Leo M. J. Dielmann, Archts., 306 E. Commerce St. 9-20

Railway Stations, Sheds, Etc.

Miss., Bay St. Louis—Louisville and Nashville R. R. W. H. Courtenay, Ch. Engr., Louisville, Ky., receives bids Oct. 8 on \$50,000, 2-story, 125x30 ft., brick, tile, stucco trim, Spanish type station; 40-ft. shed, comp. roof; following contractors estimating: Thos. H. Brockman, Hibernia Bank Bldg.; W. Horace Williams Co., Inc., Southern Bldg.; O. M. Gwin Construction Co., Union Indemnity Bldg.; Dudley & Wike Construction Co., Stern Bldg.; R. P. Farnsworth & Co., Maritime Bldg. 8-9

Tex., Fort Worth—Texas & Pacific R. R., E. F. Mitchell, Ch. Engr., has permit for \$19,000 addition to frame storage room, Front St.

Schools

Ala., Opelika—City votes Nov. 20 on \$125,000 school bonds. Address Bd. of Education.

Ark., Little Rock—M. B. Moore, Carlisle, erect \$125,000, 140x75 ft., 2-story Draughon Bldg., 6th and Center Sts.; 6 stores on first floor; 2d floor to be leased to Draughon's Business College, U. T. Vetter, Mgr.; Thompson, Sanders & Ginocchio, Archts., Hall Bldg.

D. C., Washington—Fine Arts Comsn. approved plans submitted by A. L. Harris, Municipal Archt., for stadium at McKinley Technical High School; seat 7000 people; George Burnap, Landscape Archt., Rhode Island Ave. N. W.

Ky., Frankfort—State Bd. of Charities and Corrections, B. T. Brewer, Sec., erect \$100,000 dormitory at Feeble Minded Institute; 2 stories and basement, 155x83 ft., brick, cut stone; C. C. & E. A. Weber, Archts., Ingalls Bldg., Cincinnati; bids in. 6-14

Ky., Owensboro—City votes Jan. 12, 1929, on \$150,000 bonds for building for Long Row school, gymnasium, auditorium and workshop for Western colored school, 4-room addition to Robert E. Lee School. 9-20

La., Benton—Bossier Parish Bd. of Education receives bids Oct. 18 for \$30,000, 2-story, brick, 6-classroom and auditorium addition to school; comp. roof, wood floors; plans from Edw. F. Neild, Archt., City Bk. Bldg., Shreveport. 9-13

La., Duson—Lafayette Parish School Bd., J. W. Faulk, Supt., Lafayette, receives bids Oct. 25 for repairs to present 1-story frame school and for erecting 1-story frame and stucco school, alterations and additions to principal's residence; plans from Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans. 9-27

La., Milton—Lafayette Parish School Bd., J. W. Faulk, Supt., Lafayette, receives bids Oct. 25 for 2-story, rein. conc., brick, stucco trim elementary and high school; tile roof; plans from Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 9-27

La., Ridge—Lafayette Parish School Bd., Lafayette, receives bids Oct. 25 for 2-story, rein. conc., brick, stucco trim elementary and high school at Ridge-Judice; tile roof, wood floors; plans from Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans.

La., Scott—Lafayette Parish School Bd., Lafayette, receives bids Oct. 30 on 2-story, rein. conc., brick, stucco trim elementary and high school; tile roof; plans from Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans.

La., Thibodaux—Lafourche Parish School Bd. erect addition to high school.

La., Walker—Livingston Parish School Bd. erect \$45,000, 2-story, rein. conc., brick, stone trim high school; 10 classrooms and auditorium, tile and comp. roof; Wm. R. Burk, Archt., Balter Bldg., New Orleans.

La., Youngville—Lafayette Parish School Bd., J. W. Faulk, Supt., Lafayette, receives bids Oct. 25 for rein. conc., brick, stucco trim elementary and high school; plans from Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans. 9-27

Md., Baltimore—St. Vincent's Catholic Church, Rev. Philip B. McGuire, Pastor, acquired old Public School No. 43, High St., north of Fayette St., and remodel for parochial school.

Md., Baltimore—Public Improvement Comsn., H. J. Leimbach, Municipal Office Bldg., has plans by W. F. Stone, Munsey Bldg., and soon call for bids for \$175,000, 1-story, stone grade school at Violetville; H. Adams, Mech. Engr., Calvert Bldg.; Kubitz & Koenig, Struct. Engrs., Emerson Tower Bldg. 5-10

Md., Easton—Talbot County Bd. of Education, O. M. Fogle, Supt., ready for bids about Oct. 22 for \$100,000, 3-story, hollow tile high school; H. P. Hopkins and A. C. Burton, Asso. Archts., 347 N. Charles St.; J. Posey, Mech. Engr., 201 W. Franklin St., both Baltimore.

Mo., St. Louis—Bd. of Education, E. Ben Weidle, Pres., 9th and Locust Sts., erect \$200,000, 2-story brick Columbia School, 2700 N. Garrison Ave.; R. M. Milligan, Archt., Bd. of Education Bldg.

N. C., Asheville—Buncombe County Bd. of Education, A. C. Reynolds, Supt., erect high school in West Buncombe; Ronald Greene, Archt., Oates Bldg.

N. C., Charlotte—Bd. of School Comms., Chas. Blackburn, Sec.-Treas., call for bids in about 30 days for 16-classroom and gymnasium addition to Alexander Graham, Jr., High School; Charles C. Hook, Archt., Commercial Bk. Bldg. 9-27

N. C., Winston-Salem—Bd. of Education selected Harold Macklin, Realty Bldg., Northrup & O'Brien, Starbuck Bldg., and Hall Crews, R. E. Lee Hotel, as architects for additions to various schools and several new schools; selected John Spinks, Wachovia Bank Bldg., as landscape architect. 9-20

Okla., Bartlesville—Bd. of Education considering remodeling old high school for administration building and erecting auditorium to Washington School; \$40,000.

Okla., Lindsay—Bd. of Education, R. E. Booth, erect school; bids in.

Okla., Woodward—Bd. of Education soon call for bids for \$100,000 high school; remodel present structure; Joseph I. Davis, Archt., First Natl. Bldg., Oklahoma City.

S. C., Denmark—Bd. of School Trustees, W. L. Riley, Chmn., receives bids Oct. 10 for 5-room addition to grade school; plans at office Chas. C. Wilson, Archt., Palmetto Bldg., Columbia.

Tenn., Henderson — Freed-Hardeman College erect \$50,000 boys' dormitory.

Tenn., Nashville—Davidson County Bd. of Education erect 1-story and basement, brick and conc. school at Hopewell; Geo. Norton, Archt., Ind. Life Bldg.; bids in.

Tex., Beaumont—Bd. of Education, I. W. Lawhon, Pres., soon call for bids for additions and remodeling at Millard, Pennsylvania, Ogden, Fletcher and Junker schools; \$140,000; Livesay & Wiedemann, Archts., San Jacinto Life Bldg.

Tex., Dallas—Bd. of Education, Dr. Norman R. Crozier, Supt., receives bids Oct. 9 for \$45,000, 60x35 ft., 6-classroom addition to Sam Houston School; Bertram C. Hill, Archt., Construction Industries Bldg.; also erect \$125,000 Wheatley School, Meyers St. and Metropolitan Ave., South Dallas; Flint & Broad, Archts., Melba Bldg.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., receives bids Oct. 12 for 3-story addition to San Jacinto High School at San Jacinto nad Holman Sts.; plans from Hedrick & Gottlieb, Archts., Post-Dispatch Bldg.

Tex., Poteet — Poteet School Dist. votes Oct. 18 on \$18,000 bonds for 1-story, brick, auditorium and 2-classroom high school; Charles Boelhaue, Archt., Aztec Bldg., San Antonio.

Tex., Bryan — City voted \$90,000 school bonds. Address Bd. of Education. 9-6

W. Va., East Bank—Cabin Creek Dist. Bd. of Education, O. J. Jenkins, Pres., receives bids Oct. 10 for high school; bids in 3 separate divisions: (1) General construction; (2) plumbing and gas fitting; (3) heating and ventilating; plans from Warne, Tucker, Silling & Hutchinson, Archts., Masonic Temple, Charleston.

Stores

Ark., Kensett—C. C. Ieland soon let contract for brick building on S. Front St.

Ark., Little Rock—Pfeifer Bros., Leo Pfeifer, Pres., 6th and Main Sts., erect department store.

Fla., St. Petersburg—F. W. Woolworth Co., Woolworth Bldg., New York, erect 3-story, 80x100-ft. steel and conc. building, 551 Central Ave.

Fla., Tampa—National Furniture Co., 1721 12th Ave., Thos. Perez Falcon, Pres., erect \$25,000, 3-story building, 12th Ave. and 17th St.

Fla., West Palm Beach—McCrorry Stores, Inc., 1107 Broadway, New York, erect store on Celmatis Ave.; also building on site of Central Market.

La., Alexandria — McGinnis & Thornton, erect \$12,000 brick building, 4th St.

La., New Orleans—Franz Bros., 1700 St. Charles Ave., remodel and erect addition to building; bids in.

La., Shreveport — Henry E. Schwarz, Archt., Slattery Bldg., completed plans and call for bids in about a week for alterations to Saenger Bldg., Louisiana Ave. and Milam St.

La., Shreveport — Usery Candy Co. erect \$30,000, 2-story, 50x100 ft., brick store on Dalzell St.; to be conducted by A. C. Steere Co., Slattery Bldg.; E. A. George, Archt., Giddens-Lane Bldg.

Miss., McComb—X. A. Kramer erect building to replace McComb Wholesale Co.'s store noted burned at loss \$100,000. 9-27

Mo., Cape Girardeau—C. J. Reisenbichler, Contr., started work on brick store on Broadway for Montgomery Ward Co., Chicago.

Mo., Monett—B. H. Hall erect \$25,000 store.

Mo., St. Louis—A. Eschrich erect \$20,000, 2-story, 50x124-ft. brick store and tenement, 3524-26 Gravois St.; comp. roof, hot water heat; F. Eschrich, Bldr., both 3654 S. Grand Blvd.; L. Haeger, Archt., 3844 Utah Place.

Mo., St. Louis—Langforth Real Estate and Investment Co., 949 Century Bldg., erect \$50,000, 2 and 3-story, 175x69 ft., brick sales and service building, 2310-18 Olive St.; conc. roof, steam heat; J. T. Craven Engineering Co., Archt., Century Bldg.

Okla., Tulsa—F. D. Dye soon call for bids for 3-story and basement, 60x140 ft., steel and conc., terra cotta trim store; John T. Blair, Archt., Palace Bldg.

S. C., Spartanburg—I. H. and Max Greene-wald erect 3 or 4 story store on E. Main St.

Tenn., Memphis—Paul Dillard, S. Court St., erect 1-story and basement, 107x35 ft., brick store, Union and Belvedere Aves.; comp. build-up roof, tile and wood floors, steam heat, terra cotta trim; Jones & Furringer, Archts., Porter Bldg.; bids in.

Tex., Edinburg—Mrs. Anna Liedeker received low bid at \$18,812 from Morrow & McMillan, San Benito, for 1-story, 50x120-ft., rein. conc., brick, hollow tile and cast stone store; A. H. Woolridge, Archt., McAllen. 9-20

Tex., Houston—Ben Cohen, 908 Preston St., erect \$30,000, 100x100-ft., 1-story, cast stone and brick building, Main and Anita Sts.; Chinese architecture; Joseph Finger, Archt., Keystone Bldg.

Tex., San Antonio—Mrs. L. F. Utley, 117 E. Norwood St., received low bid at \$15,987 to J. E. Dickey for 1-story, 80x77 ft., brick, stucco, cast stone trim store on Broadway between James and Grayson Sts.; Adams & Adams, Archts., Real Estate Bldg. 9-27

Tex., San Antonio—Alfred Duerler, 405 Terrell road, erect two 50x60-ft., brick, hollow tile, stucco stores, Fredericksburg road and Capitol Ave.; Herff & Jones, Archts., San Antonio Loan & Trust Bldg.

Tex., San Antonio—W. R. Stout, Gunter Bldg., remodel brick and stucco store, 456 Main Ave.; Harvey P. Smith, Archt., 312 Natl. Bk. of Commerce Bldg.

Theaters

Fla., Miami—Biscayne Boulevard Co. erect \$60,000 Civic Theater and Conservatory of Music, Biscayne Blvd. and N. E. 16th St.; 88x124 ft., rein. conc., quarry key stone, Spanish type; Weed & Virrick, Archts., 427 N. E. Second Ave. 9-27

Tenn., Memphis—Albert J. Suzore, 753 N. Dunlap St., erect \$30,000, 1-story and basement, 140x76 ft., brick, conc. and steel theater and store, Summer Ave., east of National Ave.; comp. built-up roof, conc., wood and tile floors, stone trim marquis; Claude Northern, Archt., Fidelity Bank Bldg.

Warehouses

Md., Cumberland—Bennett Transfer and Storage Co., F. Bennett, 18 N. George St., erect \$20,000, 2-story, brick warehouse, Franklin St. near Madison St.

Tenn., Memphis—H. Blockman Co., 376 N. Front St., erect \$50,000, 4-story, 60x100 ft., brick and conc. warehouse, 376 N. Front St.; comp. built-up roof; Harker & Cairns, Archts., Court Square Bldg.

Tex., San Benito—San Benito Feed Co. erect \$10,000, 1-story, 50x90-ft. brick, conc. or hollow tile warehouse.

BUILDING CONTRACTS AWARDED

Association and Fraternal

D. C., Washington—Daughters of American Revolution, Mrs. Alfred J. Brosseau, President General, let contract to Geo. A. Fuller Co., Munsey Bldg., Washington, and Fuller Bldg., New York, for \$2,000,000 Constitution Hall; 700 tons struct. steel to Barber & Ross, Inc., 11th and G Sts., N. W., Washington; excavation, Wm. Meyer, Philadelphia Ave. and Fifth St., Baltimore, Md.; piles, Raymond Concrete Pile Co., 140 Cedar St.; steel erection, Chas. P. Campbell; rein. steel, Concrete Steel Co., 42 Broadway, all New York; limestone, Rockwood-Alabama Stone Co., Rockwood, Ala.; auditorium seat 4000; library; John Russell Pope, Archt., 542 Fifth Ave., New York. 6-18-25

Tex., Post — Ancient Free and Accepted Masons erect \$15,000 brick temple; stores on first floor; contract let.

Bank and Office

La., New Orleans—Mosler Safe Co., Hibernia Bldg., has vault contract for 21-story American Bank & Trust Co. bank and office bldg.; elevators, Otis Elevator Co., 852 Carondelet St.; Moise H. Goldstein, Archt., Hibernia Bldg.; Geo. J. Glover Co., Inc., Whitney Bldg., general contract at \$1,409,975. 9-27

Tenn., Memphis—Manhattan Savings Bank & Trust Co. let contract to S. & W. Construction Co. to remodel and erect addition to bank bldg., Madison Ave. and Second St.; 3 stories, 76x80 ft., rubber tile floors, comp. roofs; \$75,000; furnishings, equipment, etc., \$12,000; Harker & Cairns, Archts., 123 S. Court St. See Want Section—Building Material and Equipment.

Tex., Austin—Otis Elevator Co., Littlefield Bldg., Austin, has contract at \$67,000 for 3 signal control highspeed elevators for \$425,000 medical and professional building for O. O. Norwood; air-conditioning system, American Carbonic Machinery Co., Wisconsin Rapids, Wis., at \$70,000; steel frame completed, rein. conc. work to 14th story, stone work to second story; Giesecke & Harris, Archts.; Frank Barron, Contr., both 207 W. Seventh St., Austin.

Tex., Progreso—Progreso Development Co. let contract at about \$13,000 to W. F. Chambers, San Benito, for office building; hollow tile and stucco, 1 story; Lloyd E. Mellor, Archt., Harlingen. 6-14

Churches

Ga., Albany—First M. E. Church, D. Owens, Chmn., Bldg. Comm., let contract at \$92,050 to A. C. Knight, Albany, for remodeling and enlarging church and erecting 30x28-ft. Sunday school; \$100,000; English type, tile, brick and Indiana limestone, terrazzo and hardwood floors, 2 stories and basement, brick foundation; furnishings, equipment, etc., \$25,000; Dunwoody & Oliphant, Archts., 460 1/2 Broadway, Macon; R. G. Lose, Engr., Forsyth Bldg., Atlanta. See Want Section—Building Material and Equipment. 8-30

Ga., Atlanta—Bethany Baptist Church, 900 Sims St., S. W., erect brick veneer dwelling, 184 Chestnut St., N. W.; 1 story, 40x70 ft., wood joists, metal roof; day labor.

La., Independence—Baptist Church let contract to Independence Lumber Co. for \$18,000 bldg.; rein. conc. foundation, slate roof; J. Howard Ryan, Archt. 9-13

La., New Orleans—St. Marys of the Angels Church, Galvez and Elmire Sts., erect boiler room and install heating system; J. M. Werling, Contr., 2909 St. Bernard Ave.

Miss., Lexington—First Baptist Church let contract to N. P. Drennan to remodel church and erect annex; \$25,000; rein. conc. and brick veneer, 2 stories, built-up comp. roof; J. M. Spain, Archt., Millsaps Bldg., Jackson. 9-27

Miss., Shaw—Presbyterian Church let contract for \$25,000 building to Howell & Pearce, Greenwood; brick, stone, stucco trim and rein. conc., 2 stories, 193.4x45.3 ft., wood floors; N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson. 9-13

Mo., Puxico—Christian Church, Dr. Burris, Pastor, erect \$15,000 matt brick building; hollow tile, 1 story, 40x60 ft., yellow pine floors, wood shingle roof, hot air heat; Reither & Lindsay, Archts., 523 H. H. Bldg., Cape Girardeau; owner builds.

Mo., St. Louis — Evangelical Lutheran Church of the Messiah, Chas. Wehking, Chmn., Bldg. Comm., let contract to Kellerman Contracting Co., Victoria Bldg., for brick, stone and rein. conc. building, Grand Blvd. and Pestalozzi St.; 2 stories and basement, 114x80 ft.; LaBeaume & Klein, Archts., Amer. Tr. Bldg.; Brussel & Viterbo, Engrs., Arcade Bldg. 5-3

Mo., Webster Groves, St. Louis—Webster Groves Presbyterian Church, Rev. D. M. Skilling, Pastor, let contract to John Berg, 504 W. Shady Ave., Webster Groves, to remodel Sunday School; L. B. Pendleton, Archt., DeMenil Bldg., St. Louis. 7-12

Tenn., Dyersburg—A. K. Tigrett & Co., Memphis, are offering \$60,000 first closed mortgage 6% serial gold bonds to finance completion of \$100,000 First Baptist Church under constr.; R. H. Hunt Co., Archt., James Bldg., Chattanooga; Forsum-James Lumber Co., Contr., Dyersburg. 7-12

Tex., San Antonio—Christ Church let contract at \$26,694 to Jas. Aiken, Bldrs. Exch. Bldg., for parish house, Belknap Place; rein. conc., brick and cast stone, 1 story and basement, about 43x75 ft.; John M. Marriott, Archt., Frost Natl. Bank Bldg. 9-20

City and County

Ala., Mobile—Mobile County Bd. of Revenue let contract for \$17,000 girls' detention home, County Farm, to J. W. & P. G. Barter, 65 1/2 St. Francis St.; J. Platt Roberts, Archt., First Natl. Bank Bldg.

Ark.-Tex., Texarkana—Miller County, Ark., let contract for \$10,000 repairs to courthouse to J. B. Oats. 9-13

Dwellings

Ala., Birmingham—J. M. Ford erect \$12,000 frame residence; 2 stories, hot air heat; L. E. Ford, Contr., both Mountain Brooke Village.

Ala., Birmingham—W. P. Rowe, 1113 N. 25th St., let contract to C. V. Bryant, Roebuck Springs, for \$12,000 brick veneer residence, Roebuck Springs; 2 stories, 50x38 ft., oak floors, conc. and tile foundation, comp. shingle roof; Jacob E. Salle, Archt., 2109 Fifth Ave., North. 9-27

Ala., Birmingham—J. R. Boggs, 1814 Avenue E, Ensley, let contract for \$15,000 residence, Windemere Woods, to J. T. Gandy, 1109 W. Sixth Court; brick veneer and stucco, 2 stories, tile baths, slate roof, steam heat; Brooke B. Burnham, Archt., Comer Bldg. 9-13

Ala., Hollywood—Ira Bond, 2830 S. Tenth St., erect brick veneer residence; 1 story, 45x60 ft., comp. roof, steam heat; MacQueen & White, Inc., Contrs., Amer. Traders Natl. Bank Bldg., both Birmingham.

Ark., Little Rock—Sun Building and Development Co., Rector Bldg., erect \$10,000 brick veneer and \$8500 stucco dwelling, 1800-1817 Shadowlane; owner builds.

Ark., Pine Bluff—A. B. Robinson, 1319 W. Sixth St., completed frame of \$11,000 Dutch Colonial residence; 2 stories, 40x70 ft. wide siding, oak floors; Fred Kreszig, Archt., 404 W. Barr St.; J. H. Culpepper, Contr., 1712 Beech St. 9-27

D. C., Washington—W. C. & A. N. Miller, 1119 Seventeenth St., N. W., erect 2 dwellings, 2918-22 Glover Driveway, N. W., after plans by G. E. MacNeil, Archt., 1119 17th St., N. W.; brick and stone, 2 stories; \$19,000; also 2-story frame dwelling, 4530 Lowell St.; owners build.

D. C., Washington—Breuninger & Co., 1103 Vermont Ave., N. W., have permit for 6 dwellings, 4303-11 Thirtieth St., 3638 Windom Place and 3639 Warren St., N. W.; brick and cinder block, 2 stories; \$60,000; owners build.

Fla., Palm Beach—John B. Niles repairing residence, damaged by hurricane at \$10,000 loss; Arnold Construction Co., Contr., Harvey Bldg., West Palm Beach; Arnold Company also has contract for \$5000 repairs to Commodore Vincent Ward residence and to repair dwelling on Seminole Ave.

Fla., Panama—Mrs. C. S. Allgood and J. L. Trice, both Crawfordville, each let contract for cottage, Panama Springs.

Ga., Atlanta—Richard Long let contract to W. C. Garman, East Atlanta, for face brick residence, Dunwoody Rd.; 1 story and basement, 65x45 ft., garage and servants' quarters; Burge & Stevens, Archts., 101 Marietta Bldg. 8-16

Ga., Atlanta—S. E. Ward, 587 Seminole Ave., N. E., erect \$12,500 residence; brick veneer, 2 stories and basement, hardwood floors, comp. roof, hot air heat; Thos. K. Windham, Contr., 402 Wynne-Claughton Bldg.

Ga., Atlanta—J. E. Dunwoody, Jr., 709 College Ave., N. E., erect 2 brick veneer dwellings, 1384-88 Morningside Drive, N. E.; 2 stories, 10 and 12 rooms, 2 baths, steam heat; \$32,000; day labor.

Ga., Atlanta—Haralson Co., 1058 Lanier Blvd., erect \$10,000 dwelling, 1055 Lanier; brick veneer, 1 story, hardwood floors, comp. roof; day labor.

Ga., Atlanta—H. L. McRae, 129 E. Hunter St., erect 2 brick veneer dwellings, 1020-26 Rosedale Rd., N. E.; 1 story, 6 rooms and bath, comp. roofs; \$10,000; day labor.

Ga., Atlanta—J. W. Dobbins, 315 Peters Bldg., erect 2 brick veneer dwellings, 1356 Wayne Circle, N. E., and 986 Courtney Drive, N. E.; 1 story, 7 rooms and bath; \$15,000; day labor.

Ga., Atlanta—Eugene Harris, 582 Piedmont Ave., N. E., erect \$13,500 residence, 1732 N. Rocksprings Rd., N. E.; brick veneer, 2 stories, 7 rooms, 2 baths, hardwood floors, comp. roof, hot air heat; day labor.

La., New Orleans—J. J. Maucier erect 2 double dwellings, Hillary St. near Pearl St.; \$10,000; C. R. Kamm, Contr., 8010 Jampson St.

La., New Orleans—Mrs. Lula Smith erect double cottage, Pine St. near Freret St.; O. T. Harang, Contr., 5663 Milne St.

La., New Orleans—Geo. Snyder erect double residence, Bridgedale sub-division; J. E. Chapman, Contr., 913 Dublin St.

La., New Orleans—Peter A. Cooney, 2922 Carrollton St., erect 3 double cottages, Oleaner St. near Dante St.; \$13,800; Martin J. Rector, Contr., 5007 Prytania St.

La., New Orleans—S. Silverman, 1114 Canal Bk. Bldg., erect 2 frame duplexes, Louisiana Ave. Pkwy. near Dorgenois St.; comp. roofs; \$10,000.

Md., Baltimore—Bertram Constable, 311 W. 31st St., erect \$10,000 stone and stucco residence, Enfield and St. Albans Way; 2 stories, 20x78 ft., oak floors, stone foundation, slate roof; Wm. P. Smith, Archt., Amer. Bldg.; owner builds. See Want Section—Building Material and Equipment.

Md., Baltimore—Geo. W. Schoenhals, Munsey Bldg., erect 16 brick dwellings, 2300 block N. Monroe St.; 2 stories; \$40,000; owner builds.

Md., Baltimore—Arrow Real Estate Co., S. 16th St., erect 11 brick dwellings, 600 block S. Ponce St., after plans by A. R. Dreyer, Archt.; 2 stories, steam heat, \$28,000; owner builds. 9-27

Md., Baltimore—John H. Hurst, 7 St. Paul St., erect 10 frame dwellings and garages, 3300 block Parkington Ave.; 2 stories, 24x24 ft. and 26x30 ft., shingle roofs, hot air heat; \$30,000; J. K. Vickers, Archt., 706 Gladstone Ave.; owner builds. 9-20

Md., Baltimore—H. C. Evans, care Stein Bros. & Boyce, 6 S. Calvert St., erect \$40,000 residence, Poplar Hill; stone, 2½ stories; Buckler & Fenhagen, Archts., 325 N. Charles St.; R. McMurray, Contr., 9 E. Pleasant St.

Md., Baltimore—Geo. W. Schoenhals, Munsey Bldg., erect 6 brick dwellings, Belair Road; 2 stories, 15x46 ft. and 16x46 ft., Carey roofs, hot water heat; \$15,000; M. A. Taylor, Archt., 905 N. Bentalou St.; owner builds.

Mo., Clayton, St. Louis—Rae Agatstein, 6253 Southwood Ave., erect 2 brick dwellings, Moorlands Park; 2 stories and basement, 28x34 ft., hardwood floors, tile baths, hot water heat; \$30,000; owner builds.

Mo., Clayton, St. Louis—F. Sonnemann, care Sonnemann-Barnett Realty Co., 5948 Easton Ave., erect \$20,000 residence, Moorlands Park; 2 stories and basement, 36x40 ft., hardwood floors, tile baths, hot water heat; owner builds.

Mo., Clayton, St. Louis—S. K. Lay erect \$15,000 residence, Dromara; brick, 30x63 ft.; Kolle & Applegate, Archts.; Chas. Wilcox, Contr., 2324A St. Louis St.

Mo., Clayton, St. Louis—E. H. Wright, 5314 St. Louis Ave., erect 11 brick dwellings, Uplands No. 7; 26x38 ft.; owner builds.

Mo., Kirkwood, St. Louis—F. J. DeFlorin, 317 W. Madison Ave., erect \$10,000 brick residence, Jewel Ave. near Kirkwood Rd.; 1½ stories and basement, 32x30 ft., hardwood floors, comp. roof, tile bath, hot air heat; owner builds.

Mo., St. Louis—Herman F. Obergonner, care J. Chas. Mueller, Contr., 3528 Hebert St., erect \$10,000 brick residence, Bellerive Acres; 1½ stories and basement, 37x34 ft., hardwood floors, tile baths and roof, hot water heat; Nolte & Nauman, Archts., Fullerton Bldg. 9-6

Mo., St. Louis—J. W. Israel, 2424 Oakland St., Overland, started work on \$10,000 residence, Oakleigh Drive; brick, 1½ stories and basement, 30x32 ft., hardwood floors, tile bath, hot water heat; owner builds.

Mo., St. Louis—John Handrich, Affton, erect \$10,000 brick residence, Gravois Weber sub-division; 1 story and basement, 30x50 ft., hardwood floors, tile bath; Ruhaack & Co., Contrs., 2623 Texas Ave.

Mo., St. Louis—O. L. Clonts, 4038 Connecticut St., erect \$13,000 brick residence, 3107 Russell Blvd.; 1 story and basement, 49x36 ft., hardwood floors, slate roof, tile bath, stone foundation, hot water heat; Nolte & Nauman, Archts., Fullerton Bldg.; D. S. Corey, Contr., 8342 Flora Ave., Vinita Park.

Mo., St. Louis—Jos. Marshall, 5246 Spalding Ave., erect \$10,000 residence, 4548 Queens Ave.; brick, 2 stories and basement, 24x42 ft., tile bath, hardwood floors, comp. shingle roof, hot air heat; owner builds.

Mo., St. Louis—W. Slewing, 4666 Easton Ave., erect 2 brick dwellings, 1504-08 Graham St.; 1 story and basement, 26x58 ft., hardwood floors, tile baths, asphalt shingle roofs, hot air heat; \$12,000; Carl E. Etz, Archt., Title Guar. Bldg.; B. L. Fuson, Contr., 314 Belt Ave.

Mo., St. Louis—O. Doerfler, 4510 Minnesota Ave., erect \$10,000 brick residence, 2827 Osceola St.; 1 story and basement, 27x42 ft., tile bath, hardwood floors, shingle roof, hot air heat; Adolph Stauder, Archt., 6032 S. Kingshighway; C. D. Doerfler, Contr., 4539 Oregon Ave.

Mo., St. Louis—Mrs. Mary Alice Duck, 7389 Maple Ave., erect \$12,000 residence, 429 Sherwood Drive; 2 stories and basement, 30x38 ft., hardwood floors, comp. roof, tile bath, hot air heat; owner builds.

Mo., St. Louis—Gerling Realty and Building Co., 1508 Kienlen St., erecting 130 bungalows, 15-acre tract, Florissant Ave. near Jennings Road; brick, 5 rooms, efficiency type.

Mo., St. Louis—A. G. Schramm, 4918 Fountain Ave., erect 2 brick dwellings, 6419-23 Pernod Ave.; 1 story and basement, 24x38 ft., hardwood floors, tile baths, comp. shingle roof, hot air heat; \$12,000; owner builds.

Mo., St. Louis—Elizabeth B. Jefferies, 733 N. Kirkwood Road, erect \$10,000 frame residence, Mermod Place; 2 stories and basement, 30x23 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; Dan Mulen, Jr., Archt., 18 N. Meramec St., Clayton; owner builds.

Mo., St. Louis—Dr. LeRoy L. Robertson, 3720 Washington Blvd., erect \$13,500 residence, Wydown Forest; brick, 2 stories and basement, hardwood floors, tile bath, slate roof, hot water heat; Arthur T. Grindon, Archt., 7372 Sutherland Ave., Webster Groves; Berkley Construction Co., Contr., 6625 Delmar Blvd.

Mo., St. Louis—C. R. Nicol, 4332 Neosho St., erect \$10,000 brick residence, 6509 Parkwood St.; 1 story and basement, 26x40 ft., hardwood floors, tile bath, comp. shingle roof, hot air heat; owner builds.

Mo., St. Louis—J. L. Messerly, 1619 Glasgow St., erect \$10,000 brick residence, 5924 Woodland Ave.; 1 story and basement, 27x45 ft., tile bath, comp. roof, hot air heat; Gerald Becker, Archt., 25 Georgia St., Ferguson; E. Smith, Contr., 1410 Bard Ave.

Mo., St. Louis—Clarence E. Stevens erect 2 brick dwellings, 3823-27 Dover Place; 1 story and basement, 26x40 ft., hardwood floors, tile roof and bath, hot air heat; Art-Bilt Construction Co., Contr., both 5417 Grand Blvd.

Mo., St. Louis—Gilbert Sanders, 4538A Virginia Ave., started work on \$10,000 brick residence, 4428 Chippewa St.; 1 story and basement, 26x37 ft., hardwood floors, tile bath, hot water heat, asphalt shingle roof; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—M. J. Lawler, 5632 Terry Ave., erect 2 brick dwellings, 6474-76 Carter Ave.; 1 story and basement, tile baths, hardwood floors, asphalt shingle roofs; \$12,000; owner builds.

Mo., St. Louis—A. Strentker, care L. W. Peters, Contr., 4151 Utah Place, erect \$10,000 brick residence, 4701 Adkins Ave.; 1 story and basement, 28x38 ft., tile bath, hardwood floors, asphalt shingle roof, hot air heat; Edw. J. Gieseler, Archt., 42 DeMenil Bldg.

Mo., St. Louis—Chas. F. Mullin, 3006 Barthold Ave., Maplewood, erect \$10,000 brick and stone residence, Chevy Chase; 2 stories and basement, 30x30 ft., hardwood floors, tile roof, tile bath, vapor heat; Edw. B. Kelley, Archt., 6625 Delmar Blvd.; work by sub-contract.

Mo., University City, St. Louis—Wm. Sinz, 3801 Salome St., Pine Lawn, erect \$15,000 residence; brick, 2 stories and basement, 41x46 ft., hardwood floors, tile bath, slate roof, vapor heat; Edw. B. Kelley, Archt.; F. F. Meckfessel Construction Co., Contr., both 6625 Delmar Blvd.

Mo., University City, St. Louis—C. A. Perry, 511 Midvale Ave., erect \$10,000 brick, stone and half-timber residence, University Drive, Alta Dena; 2 stories and basement, 33x31 ft., hardwood floors, tile baths, slate roof, hot water heat; Nolte & Nauman, Archts., Fullerton Bldg.; owner builds.

Mo., University City—H. L. & I. K. Hetzler, 4557 Arco Ave., erect \$10,000 brick residence, 7324 Cornell Ave.; 2 stories and basement, 29x32 ft., hardwood floors, tile bath, comp. shingle roof; Wm. Elias, Supt. of Constr., 1018 Claytonia Terrace.

Mo., University City, St. Louis—Reavis Jackson, 1212 Hamilton Ave., erect \$15,000 brick residence, 7393 Westmoreland Ave.; 2 stories and basement, 50x26 ft., hardwood floors, tile bath, slate roof, hot water heat; Gale E. Henderson, Archt., Arcade Bldg.; work by sub-contract.

Mo., University City, St. Louis—Geo. Wacker, 2057 Alfred Ave., erect \$10,000 brick residence, 7230 Northmoor Drive; 2 stories and basement, 24x35 ft., tile bath, hardwood floors, slate roof, hot water heat; Loesche & Fischer, Contrs., Maplewood.

Mo., University City, St. Louis—Wm. H. Koenig, 3440A Humphrey St., erect \$15,000 brick residence, 7031 Lindell Blvd.; 2 stories and basement, 32x36 ft., hardwood floors, asbestos shingle roof, tile bath, hot water heat; owner builds.

Mo., University City, St. Louis—Elkay Construction Co., 1221 Big Bend Road, erect \$10,000 dwelling, 7319 Bartmer Ave.; 2 stories and basement, 24x26 ft., hardwood floors, tile bath, ruberoid shingle roof, hot air heat; owner builds.

Mo., University City, St. Louis—Weinberg Construction Co., 816½ Chestnut St., erect \$15,000 brick dwelling, 7368 Kingsbury Place; 2 stories and basement, 46x47 ft., tile bath, hardwood floors, slate roof, steam heat; Ben Shapiro, Archt., 4202 Holly Ave.

N. C., Raleigh—W. F. Upshaw, Clt. Bk. Bldg., erect \$30,000 residence; stone veneer on frame, 2 stories and basement, oak and tile floors, conc. foundation, slate roof; H. P. S. Keller, Archt., 129 Hillcrest St.; Howard E. Satterfield, Contr., Groveland Ave. See Want Section—Building Material and Equipment.

N. C., Roxboro—Collins & Aikman Corp., erect 20 additional employees' dwellings; contract let.

N. C., Winston-Salem—J. F. Smithdeal, 221 W. Fifth St., erect \$30,000 residence, Plymouth Ave., Country Club Estates; Colonial type, brick, 12 rooms, oil burner; Sapp & Grogan, Contrs.

Okla., Tulsa—J. O. Brown let contract for \$12,000 residence, garage and servants' quarters to DeWitt & Howard; brick veneer, 2 stories and basement, 32x39 ft.; John V. Starr, Archt., 102 S. Owasso St. 9-20

S. C., Aiken—S. A. Warner Baltazzo, Westbury, Long Island, let contract to Branch & Smith, 334 Walker St., Augusta, Ga., for \$25,000 residence; brick veneer, 2 stories and basement, wood shingle roof; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta. 9-13

S. C., Goldville—Joanna Cotton Mills let contract to Fiske-Carter Construction Co., Greenville, for 62 one-story and 8 two-story operatives' cottages; frame, 4, 5 and 6 rooms, wood floors, brick foundation, wood shingle roofs; Lockwood, Greene Engineers, Inc., Engrs., Charlotte, N. C.; 24 Federal St., Boston, Mass., etc.; plumbing, Edens & Moon, 204 Pendleton St., Greenville. 9-27

Tenn., Johnson City and Elizabethton—Watauga Development Co. let contract to M. L. Beeler and Burleson & Laws, both Johnson City, for 94 dwellings, Elizabethton-Johnson City Highway; \$300,000; brick, frame, 2 stories; Lockwood, Greene Engineers, Inc., Archts.-Engrs., Charlotte, N. C. New York, etc. 3-8

Tenn., Knoxville—V. H. McLean, 1630 Riverside Drive, erect \$15,000 residence, Chamberlin Drive; block and stucco, 7 rooms; R. L. Sharp, Contr.

Tenn., Knoxville—B. L. Driscoll, 1616 E. Fifth Ave., erect \$10,000 residence, Forest Drive; 8 rooms; R. L. Sharp, Contr.

Tenn., Knoxville—Arthur Grove, Kingston Pike, erect \$16,000 residence, Kingston Pike; 8 rooms; G. Gade, Contr., 1032 Claiborne Place.

Tenn., Memphis—Chas. A. Lewis, Fid. Bank Bldg., erect \$10,000 brick veneer residence, 1581 N. Parkway; 2 stories and basement, 31x42 ft., oak floors, tile bath, comp. roof, hot water heat; owner builds.

Tenn., Nashville—Allen Dobson, 3500 Byrum St., let contract at \$35,000 to Harry S. Vaughn, Arcade, for stone veneer residence, Bellemeade; 2 stories, 85x60 ft., oak and pine floors, tile baths, steam heat; Tisdale, Stone & Pinson, Archts., Ind. Life Bldg. 9-27

Tenn., Springfield—Robt. Rosson erect \$12,000 residence, N. Garner St.; brick and stone, 2 stories, hardwood floors, comp. shingle roof; work by sub-contract.

Tex., Houston—Chas. Bauer, Fairbanks, Box 32, started work on \$12,000 dwelling, 2408 Stanmore St.; brick veneer, 2 stories, 32x35 ft., oak floors, conc. foundation, asbestos roof; Chas. Oliver, Archt., care River Oaks Corp.; owner builds. 9-20

Tex., Houston—L. E. Brazelton, Bldr., 4304 Montrose St., erect 5 brick veneer bungalows, 2200 and 2300 blocks Driscoll St.

Tex., Houston—E. S. Barton started work on 6 additional cottages, Avenue U.

Tex., Houston—O. J. Rauch, Williford St., erect 2-story brick veneer duplex, Palm St.; owner builds.

Tex., Houston—Miss Beatrice Harrison erect Colonial residence, 2200 block Tangley Rd., Southampton; D. O. Kubricht, Contr., 4419 Clay St.

Tex., San Antonio—F. P. Blanchard, Bldr., 359 E. Commerce St., erect 8 bungalows, 700 block Avant St., Highlands.

Tex., San Antonio—L. F. Boltz, Justice of Peace, erecting residence, Greenlawn Estates.

Tex., San Antonio—Fred Alderson, care San Antonio Public Service Co., 201 N. St. Mary's St., let contract for \$10,000 residence, Fredrickburg and Babcock Rds., to Leroy Armstrong, 1420 N. Navidad St.; hollow tile and stucco, 1 story, 6 rooms; work started.

Hospitals, Sanitariums, Etc.

La., Alexandria—David Lupton's Sons Co., Chicago, Ill., and Philadelphia, Pa., has contract for steel sash for \$1,500,000 U. S. Veterans' Hospital; excavation, Construction Engineering Co., Alexandria; N. P. Severin Co., Contr., 222 W. Adams St., Chicago. 9-27

Mo., Sykesville—Board of Managers, Springfield State Hospital, Room 1009 Union Tr. Bldg., let contract to Davis Construction Co., 9 W. Chase St., for \$200,000 infirmary; brick, 3 stories; Henry Powell Hopkins, Archt.; Allan Burton, Asso. Archt., both 347 N. Charles St.; J. R. Posey, Mech. Engr., 201 W. Franklin St., all Baltimore. 9-20

N. C., Tryon—St. Luke's Hospital, Julian Calhoun, Chmn., Bldg. Comm., let contract for \$60,000 general hospital to Wright Gaines; fireproof, local field stone, hollow tile, 1 story and basement, 40x190 ft., mastic floors, local stone foundation, slate roof, steam modulation heat; Chas. C. Wilson, Archt., Palmetto Bldg., Columbia, S. C. 7-19

Tex., Austin—City, Adam R. Johnson, City Mgr., let contract at \$31,545 to H. E. Wattinger, 401 Paul St., for fireproof addition to Brackenridge Hospital; rein. conc., 3 stories, 39x88 ft., rein. conc. foundation, frame and floor slabs, hollow tile, face brick, comp. roof, steam heat; H. F. Kuehne, Archt., Littlefield Bldg. 9-13

Hotels and Apartments

Ala., Birmingham—Gray Construction Co., 3318 11th Ave., has permit for \$20,000, 3-story, 48x79-ft. brick and hollow tile hotel, S. Fourth St., between 11th and 12th Aves.; owner builds.

Ala., Birmingham—J. H. Taulbert, care R. W. Rimer, Contr., 21st St. and 13th Ave., erect 2-story, 40x80-ft. brick veneer apartment, 11th Way and 10th Ave.; oak, tile and cement floors, Johns Manville roof; Edw. D. Slater, Archt., 744 Martin Bldg. See Want Section—Building Materials and Equipment.

Ark., Batesville—Hotel Marvin erect 27-room addition, remodel front, heating plant, hot and cold water in all rooms, equip with showers and tubs, telephones in each room; \$25,000; contract let.

D. C., Washington—Witt & Mirman, 211 Seventh St., N. W., let contract to H. F. Brandt, 1319 F St., N. W., for remodeling 3-story brick apartment, 25th St. and Pennsylvania Ave., N. W.; A. S. J. Atkinson, Archt., 3801 Macomb St., N. W.

Ga., Atlanta—F. P. & Geo. J. Morris, 76-78 Pryor St., N. E., erect \$14,000, 2-story and basement, 4-unit apartment, 1171 Sells Ave., S. W.; comp. roof, hardwood floors, steam heat; owner builds.

Ga., Atlanta—Mrs. Fannie E. Kitchens, 909 Forrest Road, N. E., erect \$25,000, 1-story and basement, frame and stucco apartment, 1202 Fair St., S. E.; 44x70 ft., tar and gravel roof, hardwood floors, steam heat; owner builds.

Ga., Atlanta—Ben H. Burgess, 1230 Gordon St., S. W., erect \$10,000, 1-story, 40x70-ft. brick veneer apartment, 1080-82 Lucile Ave., S. W.; comp. shingle roof, hardwood floors; owner builds.

Ga., Atlanta—W. W. Cary, 522 Rankin St., erect \$20,000, 2-story and basement, brick veneer, 8-apartment, 380 Sixth St., N. E.; comp. roof, hardwood floors, steam heat; owner builds.

Ky., Louisville—W. H. Smith Co., 110 N. 7th St., St. Louis, Mo., reported, erect \$480,000, 9-story and basement, 64x140 ft., brick, stone, rein. conc. hotel apartment, 740 S. 2d St.; D. X. Murphy & Bro., Archts., Louisville Trust Co.; owner builds.

Md., Baltimore—G. Schewesinger, 45 E. Cross St., let contract to F. Meyers, 1247 William St., for addition to 2-story apartment, 3716 Nortonia road; J. C. Spedden, Archt., 20 E. Lexington St.

Mo., Clayton, St. Louis—C. J. Rabenau, 18 N. 18th St., erect \$25,000, 65x37 ft., brick apartment, 7325 Parkdale St., Blue Ridge Terrace; Modern Construction Co., Bldrs.

Mo., Maplewood, St. Louis—Liebert & Reilly, 722 Chestnut St., erecting \$40,000, 2-story, 30x96 ft., brick, 8-apartment, 2317-23 Oakview Terrace; asphalt roof, hardwood floors; S. G. London, Contr., Railway Exchange Bldg.; B. J. Shapiro, Archt., 4202 Holly Ave. 9-20

Mo., St. Joseph—T. H. Dennis has permit for \$20,000, 3-story, brick apartment, 22nd and Union Sts.; Charles Dennis, Archt.-Contr.

Mo., St. Louis—S. M. Smith, 5046 Queens St., erect 2-story, 36x42 ft., brick tenement, 4515 Queens St.; comp. gravel roof, hot air heat; owner builds.

Mo., St. Louis—J. C. Wempner, 2924 Marcus St., erect three 2-story, 32x110 ft., brick tenements, 2334-48 Dodier St.; \$30,000; comp.

roofs, hot air heat; Parnell Construction Co., Builder.

Mo., St. Louis—W. Hoeber erect \$30,000, 134x60 ft., brick tenement, 3610-16 Iron St.; tar and gravel roof; Moellenhoff B. & R. Co., Contr.; C. E. Stevens, Archt., all 5417 S. Grand Blvd.

Mo., St. Louis—F. Micell, 4847 Natural Bridge, erect two 2-story, 34x48 ft., brick tenements, 5066-72 Ruskin St.; comp. roofs, hot air heat; owner builds.

Mo., St. Louis—A. Morganstern, 1152 Bayard St., erect five 2-story, 24x52 ft., brick tenements, 5834-52 Kennerly St.; \$50,000; tar and gravel roofs, hot air heat; D. M. Morganstern, Archt.-Bldr., 5067 N. Knighsghway.

Mo., St. Louis—F. A. Scheperle, 5330 Loughborough St., erect \$10,000, 2-story, 34x47 ft., brick tenement, 6959-61 Coronado St.; also 2-story, 36x31 ft., brick dwelling, 3939 Bowen St.; \$3000; comp. and slate roofs, hot water heat; owner builds.

Mo., St. Louis—A. B. Candy Building and Investment Co., erect \$25,000, 3-story, 81x36 ft., bricktenement, 4938-40 Lindenwood St.; comp. roof, steam heat; May Building and Investment Co., Bldrs., both 808 Chestnut St.; F. G. Avis, Archt., 1021 Big Bend road.

Mo., St. Louis—A. Krueger, 3344A Virginia St., erect \$10,000, 2-story, 35x30 ft., brick tenement, 4239-41 Ellenwood St.; comp. roof, hot air heat; G. Porter, Contr., 4121 Wilmington St.

Mo., St. Louis—Marquette Construction Co. erect two 2-story, 31x45-ft. brick tenements, 4426-32 N. 20th St.; \$16,000; comp. tar and gravel roof, hot air heat; T. F. Croghan, Contr., both 110 N. Seventh St.

Mo., St. Louis—Lenore Realty and Construction Co., care J. M. Liebowitz, Intl. Life Bldg., erect 3 apartments; 2 stories and basement, 24x42 ft., br.ck, \$40,000, rubble foundation, comp. roof, hardwood floors, tile baths, hot air heat; Carl E. Etz, Archt., 417 Title Guaranty Bldg.; owner builds.

Mo., St. Louis—J. E. Callahan, care Gill & Jackson, Archts., 520 Buder Bldg., excavating for \$18,000, 2-story and basement, 26x48 ft., brick apartment, 7314 Lindell Blvd.; asphalt shingle roof, conc. slab and oak floors, stone trim.

Mo., St. Louis—Lola Tolstrup, 1302 Easton Ave., erect \$10,000, 28x49 ft., tenement, Richmond Hts.; comp. roof, hot air heat; Home Building Co., Contr., 1043 Louisville Ave.

Mo., St. Louis—H. Kobermann erect 2-story, 27x47 ft., brick tenement, 4075 Alma St.; asphalt shingle roof, hot air heat; A. Kobermann, Contr., both 7240 Gravois Ave.; Kobermann & Messner, Archt., 7240 Gravois Ave.

Mo., St. Louis—J. Charles Mueller, 3528 Hebert St., erect \$12,000, 2-story and basement, 32x48-ft. brick apartment; Nolte & Nauman, Archts., 614 Fullerton Bldg.; rubberoid shingle roof, tile baths, hardwood floors, ho air heat; owner builds.

Mo., St. Louis—B. E. Bradshaw erect 2-story, 47x24-ft. brick tenement, 5019 Kingshighway; comp. shingle roof; A. W. Bradshaw, Bldr., both 2804 Chippewa St.; L. Haeger, Archt., 3944 Utah Place.

Mo., St. Louis—Jacob A. Rubin & Sons, Contrs., 904 Chestnut St., soon start work on 30-family apartment on Cabanne Ave.

Mo., St. Louis—R. G. Darr, 2005 S. Grand Blvd., excavating for four 2-story and basement, 25x45 ft., brick apartments, 4238-42 S. 35th St. and 4233-35 Dewey Ave.; \$50,000, comp. shingle roofs, hardwood floors, tile baths, steam heat; owner builds.

Mo., University City, St. Louis—Michael Quinn, 6606 Bartmer Ave., excavating for \$12,000, 2-story and basement, 19x51-ft. brick apartment; Guarantee Construction Co., Contr., Wainwright Bldg.

Mo., University City, St. Louis—Benj. Hill, 6625 Delmar Blvd., excavating for \$12,000, 2-story and basement, 28x50 ft., brick apartment, 7323 Forsythe Blvd.; stone foundation, hardwood floors, tile roof, hot water heat; Carl E. Etz, Archt., 417 Title Guaranty Bldg.; owner builds.

Okla., Tulsa—Hurley-Park Investment Co., Col. Patrick J. Hurley, Tuloma Bldg., and Robt. R. Park, Roberts Bldg., started excavation on Ambassador Apartment Hotel, 14th and Main Sts.; \$500,000, 9 stories and basement, 100 unit suites of studio type, brick, tile, terra cotta trim, 2 elevators, telephones in all rooms; also plans 12-story, 300-unit commercial apartment hotel, 7th St. and Boston Ave.; Nellie E. Peters, Archt., Orear-Leslie Bldg., Kansas City, Mo.; Smith & Senter, Asso. Archts., Tulsa, and Commerce Bldg., Okmulgee.

Tenn., Memphis—J. C. Larkin, Goodwyn Institute Bldg., soon start work on \$15,000, 2-story, brick apartment, Jessamine Place; comp. roof, wood floors; C. A. Lewis, Archt., Fidelity Bank Bldg.

Tenn., Memphis—L. E. Finley, Porter Bldg., erect \$100,000, 2-story and basement, brick veneer apartment on Lamar Ave. in Edgewood Manor subdivision; comp. and tile roof, oak floors, tile bath, stone trim, hot water heat; I. D. McDaniel, Archt., Goodwyn Institute Bldg.; owner builds.

Tex., Edinburg—W. A. Sibley erect \$25,000, 2-story, brick, cast stone trim, English type apartment; Robt. L. Vogler, Archt.; owner builds.

Tex., Georgetown—Albert Sherman let contract to D. E. Davis for 8-room addition to rooming house on S. Main St.

Tex., Harlingen—Walter Iverson erect \$12,000, 1-story, 69x137 ft., hollow tile, conc., stucco, 26-apartment; W. R. Varner, Archt.; owner builds.

Tex., Houston—O. P. Steeger, Contr., West Bldg., started work on \$30,000, 2-story, brick veneer 8-apartment, Crawford and Oakdale Sts.

Va., Petersburg—Arthur Davidor, 16 E. Fillmore St., completed foundation for \$20,000, 2-story, 55x65 ft., cinder block and stucco, 4-apartment, S. Sycamore and Claremont Sts.; built-up roof, wood floors; plans by Lloyd C. Mayers, office of S. Daley Craig, Archt., Natl. Bank Bldg. See Want Section—Building Material and Equipment.

Miscellaneous

Tex., Austin—Following sub-contracts awarded on \$45,000, 1-story, brick, tile and rein. conc. club building over Motoramp Garage for O. O. Norwood: Struc. steel, Central Texas Iron Works, Waco; steel joists, Truscon Steel Co., Travis Bldg., San Antonio; reinforcing, Heirman Industries, Austin; ventilating, refrigerating, air conditioning, American Carbonic Co., Wisconsin Rapids, Wis.; Frank Barron, Gen. Contr., 121 W. 7th St., Austin; Giesecke & Harris, Archts., 207 W. 7th St., Austin, and Houston. 8-16

Schools

Fla., Kelsey City—Palm Beach County Bd. of Education, West Palm Beach, let contract to Arnold Construction Co., Harvey Bldg., W. Palm Beach, for repairs to school at Kelsey City, \$12,000 to \$15,000; also \$3000 repairs to school at Riviera.

Fla., Tallahassee—Truscon Steel Co., Greensboro, N. C., has contract for metal window rein. bars and pans for 2-story and basement, rein. conc., brick, hollow tile, stone trim gymnasium at Florida State College for Women for which J. L. Crouse, Box 642, Greensboro, has general contract at \$284,225; Jacksonville Concrete Products Co., 564 Stockton St., Jacksonville, cast stone; Rudolph Weaver, Board Archt., Peabody Hall, Gainesville.

Ga., Valdosta—Bd. of Education let contract to R. N. McEachern, Douglas, for \$23,000 high school for negroes; 1 story, brick, tile, comp. roof, hardwood floors; Greer & Biggers, Archts., Barnett Bank Bldg., Jacksonville, Fla. 9-20

La., New Orleans—H. Sophie Newcomb Memorial College Trustees let contract at \$213,814 to R. P. Farnsworth & Co., Inc., Maritime Bldg., for 2-story, rein. conc., steel, brick and frame Dixon Hall; plans by Emile Weil, Inc., Archt., Whitney Bank Bldg., include combined music school, library and auditorium, library to house 200,000 volumes, auditorium to seat 1000 people. 8-30

Md., Baltimore—University of Maryland let contract to Price Construction Co., Md. Tr. Bldg., for laboratory and classroom building, Lombard and Greene Sts., for schools of dentistry and pharmacy; \$400,000, 4½ stories; Smith & May, Archts., Calvert Bldg. 10-27-27

Miss., Alcorn—Mississippi Building Comsn., W. C. Trotter, Sec., New State Capitol Bldg., Jackson, let contract at \$160,122 to W. J. McGee & Son, Jackson, for administration building, science building, girls' dormitory, and teachers cottages at Alcorn Agricultural and Mechanical College; plumbing and lighting, \$26,225, Alonzo B. Hayden, Pass Christian; wiring, \$2770, Thompson Electrical Co., 63 S. Third St., Memphis, Tenn.; Claude H. Lindsley, Archt., Lamar Bldg., Jackson. 9-20

Miss., Prentiss—Jefferson County Bd. of Education let contract to L. S. Massingale, Collins, for \$12,000, brick, 6-classroom and auditorium school for Clem Consolidated School Dist. 9-13

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr. of School Bldgs., let contract at \$234,900 to Dunham Construction Co., 316 Chemical Bldg., for 3-story and basement, 226x87 ft., brick, rein. conc. grade school, Vandeventer Ave. and Russell Blvd.; plumbing, \$12,495, Jos. F. Tumalty Plumbing Co., 1214 Pine St.; heating and ventilating, \$37,935, Peters Echler Heating Co., 1516 Pine St.; vacuum cleaning system, \$3316, Lahey Heating and Ventilating Co., 111 N. 3d St.; electric work, \$11,732, S. & S. Electric Co., 1422 Pine St. 9-27

Mo., Troy—Bd. of Education, F. Harrison, let contract to Barenfaenger Bros., Salem, Ill., for \$40,000, 2-story, brick high school; Wm. Mampe, Archt., Buder Bldg., St. Louis. 6-28

Mo., Wellston—St. Louis Country Day School, Robt. Thompson, Headmaster, let contract to Woermann Construction Co., 1441 Syndicate Trust Bldg., for \$100,000, 2-story and basement, 139x76 ft., brick and rein. conc. school; Jamieson & Spearl, Archts., 1116 Arcade Bldg. 9-27

N. C., Durham—Duke University, Dr. R. L. Flowers, Chmn., Stadium Comm., erect football stadium to seat 35,000 to 50,000 people; work to be done by forces of Duke Construction Co. 9-20

N. C., Jackson—Northampton County Bd. of Education, E. S. Bowers, Chmn., let contract to J. N. Bryan & Sons, Rogers Bldg., Raleigh, for 9-room and auditorium school at Jackson; to L. R. Joyner, Potecasi, for 9-room and auditorium school at Lasker; M. S. Davis, Archt., Louisburg. 9-20

N. C., Winston-Salem—Forsyth County Bd. of Education, T. H. Cash, Supt., let contract at \$31,230 to Acme Lumber Co. for 8-classroom City View School; auditorium to seat 3000, office for principal and laboratory.

Okla., Cushing—Independent School Dist. No. 67, J. E. Hickman, Supt., let contract at \$22,194 to Montgomery Construction Co., for 2-story, brick and stone grade school; Tonini & Bramblett, Archts., 416½ W. Main St., Oklahoma City. 8-16

Okla., Headrick—Bd. of Education, D. W. Bright, Clk., let contract at \$21,963 to J. W. Harris, Mangum, for 1-story, brick, rein. conc. high school; K. B. Perkins, Archt., Altus. 8-23

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., let contracts on following schools: Alexander Hamilton Jr. High—12-classroom and swimming pool addition, \$72,990, Universal Construction Co., Bagby St.; plumbing, \$7260, Warren-Shivers Co., 305 Hagerman St.; heating, \$7456, Dixie Heating and Ventilating Co., 111 Fannin St.; electric, \$2945, Balcke Electric Co., Chronicle Bldg.; L. A. Glover, Archt., Binz Bldg.; Milby High—shop building, \$11,788, C. W. Raper, 1131 Hts. Blvd.; L. A. Glover, Archt.; Stonewall Jackson Jr. High—shop building, \$13,600, Bace Construction Co.; L. Q. Cato, Archt., Bankers Mortgage Bldg.; James S. Hogg Jr. High—\$15,980, E. G. Maclay Co., Post-Dispatch Bldg.; B. P. Briscoe, Archt., Second Natl. Bank Bldg. 9-27

Tex., Houston—Houston Structural Steel Co., 3910 Washington St., has contract for rein. struct. and misc. iron and steel on Chevy Chase, Forrest Hill and Studewood elementary schools for which C. W. Ennis, 1401 Dowling St., has general contract at \$208,000; Harry D. Payne, Archt., Kirby Bldg.; also for rein. struct. and misc. iron and steel on Charlton-Pollard School at Beaumont for which Charles F. Law, Perlstein Bldg., Beaumont, has general contract at \$54,000. 9-20 and 9-13

Tex., San Antonio—St. Paul's Lutheran Church, H. H. Barsum, Chmn., Bldg. Comm., let contract at \$12,831 to Allen & Allen, 217 Fredericksburg Road, for 1-story and basement, 33x85 ft., hollow tile and conc. school, Roseborough and S. Presa Sts.; Richard Vander Straten, Archt., Travis Bldg.

Stores

Ala., Birmingham—Mrs. J. P. Tillman, 2023 Highland Ave., let contract to J. F. Holley Construction Co., 817 19th St., for remodeling 3-story, 25x140-ft., brick and limestone store, 2007 N. Third Ave.; terrazzo and wood floors, tar and gravel roof, steam heat; work started; all material purchased; Miller & Martin, Archts., 911 Title Guarantee Bldg.; I. A. Lewis, Engr.

D. C., Washington—S. S. Kresge Co., S. S. Kresge Bldg., Detroit, let contract to W. E. Mooney, 2525 Pennsylvania Ave., N. W., for alterations to 4-story, brick store, 720-24 Seventh St., N. W. 9-20

Fla., Palm Beach—Lytal-Pratt Furniture Co. let contract to Arnold Construction Co., Harvey Bldg., West Palm Beach, for repairs to building on N. Poinsettia Ave.

Ga., Macon—R. H. Smalling's Sons, Contrs., started work on \$75,000, 3-story and basement, brick and terra cotta store, Third and Poplar Sts., to be leased by Montgomery Ward & Co., Chicago; conc. and wood floors, tar and gravel roof, steam heat; Dunwody & Oliphant, Archts., 460 Broadway. 9-13

La., Shreveport—Clarence W. King, Archt., Giddens Lane Bldg., let contract at \$12,955 to N. B. Kelly for 1-story, 50x100 ft., brick, rein. conc. store, Louisiana Ave. and Cotton St., for W. C. Agurs. 9-27

Mo., St. Louis—C. Erlenbach erect \$18,000, 2-story, 62x50 ft., brick store and tenement, 4043-47 Gravois Ave.; comp. roof; Arsenal-Watson Co., Archt.-Bldr., both 6205 Arsenal St. 6-28

Mo., St. Louis—J. Kramer, 4156 Loughborough St., erect \$10,000, 2-story, 35x55 ft., brick store and tenement, 4175-77 Loughborough St.; comp. roof, hot air heat; owner builds.

Mo., St. Louis—M. Rudman, 2722 Franklin St., alter 1-story brick store, 1327 Montgomery St.; M. Schneider, Bldr., 1362 Simple St.

Mo., St. Louis—Jas. A. Mazzoni, 7505 Clayton Road, erect \$15,000, 2-story, 57x49 ft., brick addition to building; Berger Construction Co., Contr., 3723 S. Spring Ave.

Mo., St. Louis—W. C. Ghio, care Maurer, Ghio, Beffa Realty Co., 3540 Olive St., erect 3-story and basement, 60x120 ft., brick, rein. conc., fireproof store and apartment, 5311-17 Delmar Blvd.; hardwood floors, tile baths, refrigeration, incinerators, in-a-door beds; A. B. M. Corrubia & Bro., Archts., 1373 Arcade Bldg.; owner builds. See Want Section—Building Material and Equipment.

Mo., Webster Groves—H. C. Ames, 124 Jackson Road, excavating for \$20,000, 1-story and basement, 155x200 ft., brick store and recreation building, 17 Moody St.; owner builds.

Okla., Tulsa—Roy Sherry, 2531 E. 11th St., let contract to The Redding Construction Co., for \$17,000, 2-story store and apartment, 2532 E. 11th St.

Tenn., Memphis—J. T. Redding, Germantown, excavating for \$35,000, 2-story and basement, 85x118 ft., brick, stone trim store and office; comp. built-up roof, conc. and wood floors; H. T. McGee, Archt., Fidelity Bank Bldg.; owner builds. 9-20

Tex., Fort Worth—Tiller Estate let contract at \$269,000 to Wohlfeld & Witt Construction Co., Construction Industries Bldg., Dallas, for 5-story and basement, brick, stone, steel and rein. conc. store on Fourth St., between Houston and Throckmorton Sts.; plumbing and heating, \$42,813, S. P. Osburn, 1900 Fifth Ave.; Wyatt C. Hedrick, Archt., Girst Natl. Bk. Bldg.; to be leased to Sanger Brothers, Chester L. Jones, Pres., Main and Lamar Sts. 6-7

Tex., Houston—Ben W. Putnam, 1628 Harold St., let contract to B. W. Holts, 3903 Roseland Ave., for \$20,000, 2-story, brick and hollow tile store and apartment, Almeda road and Oakdale St.

Theaters

La., Bogalusa—Berenson Bros. let contract at \$39,418 to Dye & Mullings, Columbia, Miss., for 1-story and balcony, 60x125 ft., rein. conc., brick, steel, stone trim theater on Columbia St.; built-up comp. roof, \$15,000 pipe organ; Lockett & Chachere, Archts., Balter Bldg., New Orleans. 9-20

W. Va., Wheeling—Capitol Theater Co., Belmont St., let contract to R. R. Kitchen, 37 19th St., for \$15,000 brick and tile addition to theater; C. W. Bates, Archt., 77 12th St.

Warehouses

Ala., Guntersville—Jones-Baugh Co., Huntsville, started work on 132x264-ft. brick, conc. and steel warehouse, 9000-bale capacity; C. E. Baxter, Contr.

La., New Orleans—Hortman-Salmen Co., Inc., 3800 Tulane Ave., let contract to R. P. Farnsworth & Co., Maritime Bldg., for 4-story, rein. conc. and brick warehouse and office on Jefferson Davis Parkway and Howard Ave.; 70,000 sq. ft. floor space; to be leased by Great Atlantic & Pacific Tea Co., Graybar Bldg., New York; E. B. Mason, Archt., 6037 Perrier St. 9-13

Mo., St. Louis—Brass and Copper Sales Co., H. P. Hubbell, Sec., 1712-14 Chestnut St., let contract to A. H. Haeseler Building and Contracting Co., Wainwright Bldg., for \$30,000, 2-story, 50x100 ft., brick office and warehouse, 2813-17 Laclede Ave.; Kilpstein & Rathmann, Archts., 316 N. 8th St. 9-20

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Machinery and Supplies

Band Saw.—Frank B. J. Darr, 1014 Oakview Place, St. Louis, Mo.—Wants prices on small band saw with 110 volt, 60 cycle, electric motor, portable.

Band Sawmill Outfit.—R. P. Johnson (Machinery Dealers), Wytheville, Va.—Wants prices on six foot band saw mill outfit; state full particulars, location, etc.

Boiler, Pipe.—Johnson & Hoehler (Mchy. Dealers), Second and Railroad Ave., Fernwood, Pa.—Wants 100 to 125 hp. locomotive type boiler for 150 lb. pressure in Pennsylvania; also 8 lengths of 4-in. pipe, 14 ft., with sleeves.

Excelsior Machinery.—Georgia Cushion & Wrapper Co., Woodland, Ga.—Wants prices and data on excelsior machinery, new equipment only; prefer direct electric driven

Pencil Imprinting Machine.—Peerless Printing & Specialty Co., 600 Main St., Louisville, Ky.—Prices and data on good used or rebuilt pencil imprinting machine.

Shear (Mica) or Clipping Machine.—Westminster Hardware Co., Westminster, S. C.—Wants shearer or clipping machine suitable for trimming mica.

Steel Sheet Piling.—W. R. Ellis, 46 Sunflower Ave., Clarksdale, Miss.—Wants prices and data on 110 pieces of 12 in. x 30 ft., second-hand steel sheeting piling, f. o. b., Tunica, Miss.

Woodworking Machinery.—Oliver Carter (Machinery Manufacturers and Distributors), Box 1191, Wilmington, N. C., wants the following good used machinery:

- (1) Lathes—bench, 24-in. between centers; lathe suitable for garage 3½ ft. between centers
- (2) Planer—wood pony 6 or 8x24 and one 4 side planer and matcher 6x14 or 16
- (3) Resaw—circular or band.

English Construction Co., Inc., 1311 H St., N. W., Washington, D. C.—Wants data from concerns which specialize in machine work, where there will be considerable pattern work, steel castings and work somewhat different from the ordinary; has a tool to make and wants to get prices from firms.

DeLuxe Metal Furniture Co., A. H. Hackney, Gastonia, N. C.—Wants prices and data on following:

- (1) Aluminum Foundry Outfit
- (2) Bending Machine—automatic, suitably designed to bend ½-in. by 1-in. by 36-in. long; may be able to use what is known as the Bull Doser
- (3) Cut Off Saw—automatic
- (4) Drill Press—one 16 in., another 24 to 30 in.
- (5) Electric Welding Outfit
- (6) Milling Machine—small with universal head, prefer Brown-Sharpe
- (7) Paint Spraying Outfit
- (8) Pattern Shop Equipment
- (9) Planer—24 to 36 in.
- (10) Punch Press—automatic, with 6 or 8 foot bed
- (11) Shaper—12 to 16 in.
- (12) Lathe—South Bend, 13 in., with all attachments
- (13) Screen Wire Stretching Machine—machine designed for purpose of stretching screen wire for doors and windows, etc.
- (14) Tapping Machine—to tap one or more holes at one time.

Guyan Machine Shops, B. Shell, Pres., Logan, W. Va.—Wants prices and data on following:

- (1) Air Compressor—about 4x4 in.
- (2) Arbor Press—for electric shop
- (3) Exhaust Fans—24 to 30 in. diameter,
- (4) I-Beam—hoist, 1 to 5 ton capacity AC or DC
- (5) Japanning Oven—for baking large armatures, natural gas or electric heat
- (6) Lathe—for turning steel tires and steel locomotive wheels up to 40-in. diameter and from 32 in. to 48 in. gauge
- (7) Motors—AC and DC 2 h. p. to 20 h. p. 220 volts.

- (8) Piston Grinder—for auto and truck pistons
- (9) Punch and Shear—preferable No. 1½ Buffalo Universal iron
- (10) Transformers—60 cycle, 2300 and 660 to 220-440 volts, size 5KVA 60 50 KVA
- (11) Wheel Press—300 ton capacity or larger.

General Auto & Body Co., J. E. Finney, Pres., 1115 S. C St., Fort Smith, Ark.—Are reconditioning all types and kinds of automobiles and truck bodies and wants data from distributors of all classes and kinds of body materials and manufacturers of high class passenger buses.

Miscellaneous.

Fancy Braid.—Thrasher-Robertson Mfg. Co., J. M. Thrasher, Mgr., Stoneville, N. C.—Wants prices and data from manufacturers or weavers of fancy tape.

Insecticide Sprays.—I. Max. Minus, St. George, S. C.—Has patented a mechanical device for applying liquid poison to plant life for eradicating destructive insects, device is made of light galvanized metal in gallon and half-gallon capacity, and wants to enter into contract with manufacturing firms, preferably in South, to have this device manufactured in quantity for immediate sale over large territory.

Oil Cans.—Tank Car Oil Co., 300 S. 22d St., Birmingham, Ala.—Wants motor oil cans of 1, 3 and 5 gal. capacity for wholesale and retail distribution.

M. Protzen, P. O. Box 1472, Manila, Philippines.—Wants to represent manufacturers of following: Cotton piece goods, wool and felt hats, hair curler, mercerized cotton hosiery in medium quality, light weight; men's knitted cotton undershirts, lithographing paper and inks, white turkish towels, alarm clocks, watches, cotton collars, school note books, lead pencils, horn barber combs, nickel-plated safety pins, brass pins, imitation jewelry, shoe leather, thread, cotton and silk plush or velvet for slipper making, mild steel bars, barbed wire, galvanized iron or steel wire, wire nails, galvanized corrugated iron sheets, tin plates.

E. O. Kutzleb, Warszawa, Nowy-Swiat No. 17, Poland—Wants to represent factories manufacturing hardware lines in general, hardware and household articles and specialties, kitchen utensils, novelty lines, steel traps for trapping animals, etc., belting, pruning shears.

Ruata & Cia, Guayaquil, Ecuador—Wants prices and data on following: Butter (Hog-butter); dishes, cups, etc.; ordinary glassware (vases, cups, etc.); hosiery (stockings for ladies and socks for men); chairs, linoleum for floors; oil-cloth for tables; kid-skins, raw hides, etc., for shoes, Conserves (sardines, salmon, etc.)

Building Material and Equipment.

Giesecke & Harris, Archts., Austin, Tex., want prices on following for \$10,000 garage:

- Cast Stone
- Metal Ceilings
- Roofing—built-up
- Tile—interior
- Ventilators
- Wire Glass.

H. B. Satterfield, Contr., Groveland Ave., Raleigh, N. C., wants prices on following for \$30,000 dwelling:

- Flooring—hardwood, tile
- Incinerator
- Limestone
- Roofing—slate
- Steel Sash and Trim

Claussen-Lawrence Construction Co., 1394 Gwinnett St., Augusta, Ga., wants prices on following for \$8000 addition to garage, U. S. Veterans Hospital, Augusta:

- Hardware
- Louvers (automatic)—two, 3.3x2.6 ft.
- Dunwoody & Oliphant, Archts., 460½ Broadway, Macon, Ga., wants prices on following for \$100,000 church additions, Albany, Ga.:
- Flooring—hardwood, terrazzo
- Limestone
- Roofing—slate.

J. R. Owen, Contr., 1016 W. Lee St., Greensboro, N. C., wants prices on following for \$137,000 bank and office building, Burlington, N. C.:

- Flooring—composition
- Mail Chutes
- Marble
- Tile—gypsum, hollow, interior.

William D. Van Sieten, Archt., Brownsville, Tex., wants prices on following for \$24,000 apartment for Roy E. Sethman:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood
- Roofing—built-up
- Tile—hollow.

Bertram Constable, Bldr., 311 W. 31st St., Baltimore, Md., wants prices on slate and tile roofing for \$10,000 residence.

A. Davidor, 16 E. Fillmore St., Petersburg, Va., wants prices on following for \$20,000 apartment:

- Flooring—hardwood, tile
- Incinerator
- Roofing—tile.

John W. Cowper Co., Inc., Fidelity Bldg., Buffalo, N. Y., estimating on general contract for 7-story addition to U. S. Printing Office (bids Oct. 15) and office building for Southern Railway Co., both Washington, and wants prices and sub-bids.

Hanker & Cairns, Archts., 123 S. Court St., Memphis, Tenn., want prices on following for \$75,000 bank remodeling and addition work:

- Cast Stone
- Dumb Waiters
- Elevators
- Flooring—rubber
- Marble
- Marble Doors
- Steel Sash and Trim
- Vaults
- Wire Glass
- Brass and Bronze Work.

A. B. M. Corrubia & Brother, Archts., 1373-75 Arcade Bldg., St. Louis, Mo., want prices on following for \$120,000 store and apartment for Wm. C. Ghio:

- Electric Refrigerators
- Flooring—hardwood, tile
- Incinerator
- Mail Chutes
- Marble
- Metal Ceilings
- Tile—gypsum
- Terra Cotta Trim
- Ventilators
- Wire Glass.

Edw. D. Slater, Archt., 744 Martin Bldg., Birmingham, Ala., wants prices on following for 2-story, 40x80-ft. apartment for J. H. Taubert:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood, tile
- Roofing—asbestos shingle, built-up
- Tile—hollow

Bids Asked

Bridges.—State of Tennessee—Bids for 55 bridges. See Construction News—Roads, Streets, Paving.

Bridges.—State of Texas—See Construction News—Roads, Streets, Paving.

Beacons.—Div. of Supplies, Dept. of Commerce, Washington, D. C.—Bids Oct. 22 for establishing electric airway beacons and intermediate landing field equipment on St. Joseph-Omaha section of Kansas City-Omaha airway.

Bridges.—Fayetteville, Ark.—Bids for 3 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Washington, D. C. See Construction News—Roads, Streets, Paving.

Bridge, etc.—Annapolis Junction, Md.—Bids for bridge, approaches and culvert. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Maryland—Bids for 4 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—Osceola, Ark. See Construction News—Bridges, Culverts, Viaducts.

Brushes.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 16 for furnishing brushes, for delivery to Philadelphia, Pa.

Bulkhead.—New Orleans, La. See Construction News—Bridges, Culverts, Viaducts.

Culvert.—Baton Rouge, La. See Construction News—Bridges, Culverts, Viaducts.

Disposal Plant and Sanitary Sewers.—City of Asherton, Tex.—Bids Oct. 11 for constructing sanitary sewer system and disposal plant; cost \$20,000; trenching, sewer pipe, manholes and sewage plant (complete); F. J. Van Zuben, Consol. Engr., Fort Worth; Austin P. Hancock, Res. Engr., Dilley.

Dredging.—U. S. Engr., Wilmington, Del.—Bids Oct. 8 for dredging 131,000 cu. yds. in Ready Point, Del., entrance to Inland Waterway from Delaware River to Chesapeake Bay.

Dynamite.—State Highway Dept., G. A. Draper, Engr., Jackson, Miss.—Bids Oct. 8 for carload of dynamite.

Electrical Supplies.—Depot Q. M., Marine Corps, Philadelphia, Pa.—Bids Oct. 8 for 100 hand set cords, 300,000 ft. lamp cord, 6000 glass insulators, 4000 lbs. friction tape, 500 lbs. rubber insulating tape, 6000 lbs. copper wire and 10,000 lbs. galv. wire.

Electric Power and Water Works Plant.—City Comms. of Palmetto, Fla., J. P. Harlee, Mayor.—Bids Oct. 22 for Diesel oil engine of approximately 125 h.p., with direct connected alternator, for direct connection to a 50 h.p. engine owned by city; pumping machinery for low lift, service and fire pressure purposes; power and pumping plant building, and for all masonry, switchboard, piping, valves and other requisite accessories to these improvements, and for complete installation and erection thereof; plans, etc., may be obtained from Main Engineering Co., Inc., Engrs., 112 Baker St., Daytona Beach.

Engine (Gasoline).—See Pumping Equipment.

Generator Sets.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids Oct. 5 for 2 motor generating sets.

Lock Buildings.—U. S. Engr. Office, Pittsburgh, Pa.—Bids Oct. 25 for constructing two 2-story, 7-room lockkeepers' houses at lock No. 6, Alleghany River.

Lumber, (Creosoted, etc.).—State Highway Dept., G. A. Draper, Engr., Jackson, Miss.—Bids Oct. 8 for 31,800 ft. B.M. creosoted lumber; 1900 ft. B.M. untreated lumber.

Miscellaneous.—Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Oct. 17 for following, Circ. 1904:

Iron, steel, copper, bronze, brass, motor, switchboards, mowing machines, insulation, terminal tubes, nails, spikes, office paste, transfer cases, white oak lumber.

Overhead Crossings.—State of Kentucky—Bids for 2 overhead crossings. See Construction News—Roads, Streets, Paving.

Paint.—Q. M. Supply Officer, Ft. Sam Houston, Tex.—Bids Oct. 8 for white, green, gray and brown paint, linseed oil, turpentine, etc.

Paints, etc.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 11 for furnishing paints, etc., for delivery to Philadelphia, Pa.

Painting.—Comms. Dist. of Columbia, Washington—Bids Oct. 8 for interior painting in McKinley High School.

Paving.—Clarksdale, Miss. See Construction News—Roads, Streets, Paving.

Paving, etc.—Ada, Okla. See Construction News—Roads, Streets, Paving.

Paving, etc.—Clendenin, W. Va.—See Construction News—Roads, Streets, Paving.

Pipe (Concrete).—See Sewers and Disposal Plant.

Pipe (Concrete).—See Sewers.

Pipe (Vitrified).—See Sewers.

Plumbing.—Supv. Archt., Treasury Dept., Washington, D. C.—Bids Oct. 17 for removing present cold water supply piping, etc., and furnishing and installing new brass cold water supply piping, etc., in U. S. Marine Hospital, Louisville, Ky.

Plumbing, etc.—Supv. Archt., Treasury Dept., Washington, D. C.—Bids Oct. 12 for removing present water supply piping, etc., and furnishing and installing new brass water supply piping, etc., in U. S. P. O., Columbus, Ga.

Pumping Equipment.—Comms. of Mobile, Ala., Wright Smith, City Engr.—Bids Oct. 26 for erection and installation of pumping equipment, as follows: Bienville Pumping Station—removal of 1 steam unit; installation of two 5200 g.p.m. 220 ft. head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pumps; Spring

Hill Pumping Station—installation of one 5200 g.p.m., 170 ft. head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pump; installation of one 400 g.p.m., 350 head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump; Spring Hill Booster Pumping Station—erection of building, 15x 20x15 ft.; installation of one 5200 g.p.m., 30 ft. head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump; all of installations shall consist of complete piping, including connections to present mains, all valves, fittings, foundations, electric wiring and control motors are to be 2200 volt 3 phase, 60 cycle and gasoline engines should be of heavy-duty industrial type.

Radio Buildings.—Div. of Supplies, Dept. of Commerce, Washington, D. C.—Bids Oct. 11 for 12 radio buildings, ready fitted.

Reinforcing Steel.—See Sewers.

Roads.—Dallas, Tex.—Bids for 5 roads. See Construction News—Roads, Streets, Paving.

Roads.—Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C.—Bids Oct. 10 for conc. roads and storm drains at Naval Hospital, Norfolk, Va.

Road.—Comanche, Tex. See Construction News—Roads, Streets, Paving.

Road.—Carthage, Tex. See Construction News—Roads, Streets, Paving.

Roads.—State of Tennessee—Bids for 16 roads. See Construction News—Roads, Streets, Paving.

Roads.—Edinburg, Tex.—Bids for 2 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of Texas—Bids for 9 roads. See Construction News—Roads, Streets, Paving.

Roads.—State of Kentucky—Bids for 10 roads. See Construction News—Roads, Streets, Paving.

Road Building Machinery.—State Highway Dept., G. A. Draper, Engr., Jackson, Miss.—Bids Oct. 8 for following:

(1) Road Machines—six 3000 lb.

(2) Graders—1 carload patrol

(3) Road Machine (Motor)—one 1-man.

Screening.—Dallas County Auditor, Dallas, Tex.—Bids Oct. 22 for screening windows of Criminal Court and Jail building.

Sewers.—Bd. of Awards, Baltimore, Md.—Bids Oct. 10 for sanitary sewers in Sewer Dist. G-1; work includes: 618 ft. 15-in. diam., 723 ft. of 12-in. diam, 562 ft. of 10-in. diam., 6500 ft. of 8-in. diam. vit. pipe sewer; 1550 ft. 6-in. diam. vit. pipe house connections; 4000 ft. 6-in. and 1000 ft. 4-in. under drain; manholes, etc.; Milton J. Ruark, Sewerage Engr.

Sewers and Disposal Plant.—City of Dil-

ley, Tex.—Bids Oct. 10 for constructing sanitary sewer system and disposal plant; \$35,000 available; approximate quantities: 9397 ft. of 4 ft., 3257 ft. of 6 ft., 525 ft. of 8 ft. and 50 ft. of 10 ft. trenching; 1272 ft. of 12-in., 1800 ft. of 19-in., 2348 ft. of 8-in., 14,854 ft. of 6-in. conc. pipe (laying only), 35 manholes; 200 cu. yds. solid rock, 100 cu. yds. loose rock; sewage disposal plant complete; F. J. Van Zuben, Consol. Engr., Fort Worth; Austin P. Hancock, Res. Engr., Dilley.

Sewers, Water Connections, etc.—Constr. Q. M., Army Medical Center, Washington, D. C.—Bids Oct. 9 for constructing and completing of road, parking area, sidewalks, drainage, sanitary sewer and water connection, Army Medical Center.

Sewers and Water Works.—Archer City, Tex., F. M. Power, Mayor.—Bids Oct. 23 for \$40,000 water works and \$40,000 sewer improvements; plans and specifications from Montgomery and Ward, Engrs., Harvey-Snyder Bldg., Wichita Falls.

Steel Towers.—Div. of Supplies, Dept. of Commerce, Washington, D. C.—Bids Oct. 9 for one hundred 51-ft. steel towers.

Streets.—Washington, D. C. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street.—Montgomery, Ala. See Construction News—Roads, Streets, Paving.

Twine.—Pur. Agt., P. O. Dept., Washington, D. C.—Bids Nov. 1 for 1,500,000 lbs. jute or 1,200,000 lbs. cotton twine.

Turbine Foundation.—Bd. of Alderman, Rocky Mount, N. C.—Bids Oct. 11 for furnishing labor and materials and for constructing rein. conc. and struc. steel turbine foundation for turbine to be installed in municipal power plant; William C. Olsen, Inc., Engr., Raleigh, N. C.

Unbleached Cotton Sheet.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 15 for 50,000 yd. sheeting cotton, unbleached, for delivery to Philadelphia, Pa.

Water Works, Sewerage and Drainage.—Sewerage and Water Bd., New Orleans, La., A. G. Moffat, Sec.—Bids Nov. 22 for furnishing labor and material on percentage basis for water works, sewerage and drainage construction during year 1929; specifications, etc., may be obtained from Room 2502, 526 Carondelet St.

White Way Lighting.—City of Mobile, Ala., Andrew A. Coffin, Electrical Engr.—Bids Oct. 30 for installing white way lighting venture No. 1, including projects No. 1 to 15; plans and specifications in office of electrical engineer; work includes transformers, overhead and underground fee wires.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Hitner's Sons Company Plant.

While the Henry A. Hitner's Sons Company, Philadelphia, iron, steel and metals, will move its general offices from 4501 Richmond street to Gaul and Huntingdon streets, it will continue its local yards at Twenty-third and Vine streets. The new plant which the company is constructing will embrace about 12 acres and approximately half a mile of railroad siding and also frontage on the Delaware River, with buildings to house the structural steel and fabricating department, and new and second-hand machinery and machine shop and factory building for the manufacture of new plate washers.

To Make Textile Chemicals.

The Federal Phosphorus Company, Birmingham, Ala., after a survey of the consumption of textile chemicals by Southern textile mills, has decided to enter that field and develop a full line of specialties. Herbert Booth, who will have charge of the development and sales of these products, has had long experience in the field. Other products of the company include ferro phosphorus, calcium carbide, aluminous oxide and silicon carbide.

Advertising Agencies Combine.

Consolidation of two large advertising agencies has been effected in the combination of the George Batten Company, Inc., and Barton, Durstine & Osborn, Inc., in a new organization to be known as Batten, Barton, Durstine & Osborn, Inc., with offices in New York City, Chicago, Buffalo, N. Y., and Boston, Mass. Bruce Barton is chairman of the board and R. L. Hurst is president, with William H. Johns, Roy S. Durstine and Charles D. Mitchell as vice-presidents, F. R. Feland, secretary, and R. J. Hayward, treasurer.

Electric Brick Plant Sale.

An electrically equipped brick plant two miles north of Rocky Mount, N. C., will be sold at auction on October 17 at 10.30 A. M., the sale to take place on the premises. Information is now available from M. D. Munn at Rocky Mount. The plant is located on a 20-acre tract, on the main line of the Atlantic Coast Line Railroad, has a capacity of 75,000 brick and has approximately 1,000,000 burned brick in kilns and 750,000 dry brick under sheds ready to be burned.

Fuel Efficiency Contracts.

The Fuel Efficiency Engineering Corporation, Birmingham, Ala., reports the following contracts: Warrior unit pulverizers, Feeco burners and accessory furnace equipment and to design the powdered coal furnaces for the Woman's College, Montgomery; to design and install new power plant equipment, Alabama College, Montevallo; new central heating plant, State Normal School, Florence, Ala.; installation, Florida State Hospital, Chattahoochee; with the Floridin Company, Inc., Quincy, Fla.

Electric Bond and Share Report.

Gross income of \$19,230,147 and net income of \$12,535,389 for the 12 months ended August 31 is reported by the Electric Bond & Share Company, New York City. Preferred dividends in that period were \$2,855,767; common dividends, \$12,537,500; balance, \$9,679,622; accumulated income, \$19,769,066; surplus, \$24,482,587. S. Z. Mitchell is chairman of the board and president.

Traylor Sales Agent.

The Traylor Engineering and Manufacturing Company, Allentown, Pa., has assigned Foster E. Benner as sales engineer to its Chicago district sales office, 1414 Fisher Building. Bernard Halslip holds the position of Chicago district manager.

New Linde Products Plant.

A new plant of the Linde Air Products Company, located at Akron, Ohio, has started producing oxygen. It will supply the nearby demand for oxygen used in welding and cutting by the oxy-acetylene process. The Linde chain totals 54.

Industrial Plant for Sale.

Complete liquidation of a great industrial plant is contemplated in the sale of the buildings, materials, machinery, equipment and supplies of the Standard Soapstone Corporation, Arrington, Nelson county, Virginia, on which a descriptive catalogue may be obtained from the Standard Soapstone Corporation, 115 Broadway, New York City. The sale will be in whole or in part, and the items include a very wide line of articles and materials. The plant was built in 1925 and was operated until March, 1927.

New Trackson Distributors.

Among a number of new distributors appointed recently by the Trackson Company, Milwaukee, Wis., are the following Southern companies, who will handle the complete line of Trackson full crawlers, loaders, shovels, cranes, etc., for the McCormick-Deering industrial tractor: Dealers Equipment and Implement Co., P. O. Box 2281, DeSoto station, Memphis, Tenn.; Evans Implement Co., 569

Whitehall street, Atlanta, Ga., and F-D Equipment Co., 5219 East Grand avenue, Dallas, Texas. These distributors also will carry repair and replacements parts for Trackson equipment, and will give service to Trackson McCormick-Deering owners and users.

Carolina Bricks Cross Continent.

Notice recently was received by the Sumter Brick Works, Sumter, S. C., moulders of Airedale brick in dark, pastelle, buff and polychrome effects, of the arrival at Los Angeles, Cal., of "the first car of brick shipped from coast to coast—from Carolina to California." Shipments in this year, up to September 1, are reported by the company as 15 per cent greater than in the previous twelvemonth and progressive increase is expected.

Quick Steel Erection Job.

Report on an interesting steel erection job for the Wabash Railway Company at Detroit comes from the Kansas City Bridge Company, Kansas City, Mo., builders of railroad and highway bridges and contractors on river improvement work. The job included the renewal of a steel slip dock apron for the car ferries and covered the removal of the old structure, the erection, riveting, painting of new steel, placing of new deck and adjustment of machinery and counterweights. The time is reported to have been remarkably short.

STATE AND CITY OFFICIALS CO-OPERATED TO HAVE RAYON PLANT LOCATE IN ASHEVILLE.

Chamber of Commerce and Citizens Pushed Drive Also—Work Already Under Way on \$10,000,- 000 Project—Announcement of Another \$10,000,000 Plant for Knoxville, Tenn.

With the recent announcement that the American Enka Corporation, of New York, a subsidiary of the Enka Artificial Silk Company of Holland, had completed negotiations for the location of a \$10,000,000 rayon plant at Asheville, N. C., the fact was developed that State officials, local organizations and individuals have been working for months to secure the big enterprise for Asheville. On May 11, Governor A. W. McLean extended an official invitation to the board of directors of the corporation to locate the proposed plant in North Carolina, and since that time, it is said, the Department of Conservation and Development, of which Wade H. Phillips is director and Park Mathewson, assistant director, and the department's division of commerce and industry have followed up the original invitation by supplying information and pointing out the State's advantages for a plant of that character.

Upon the arrival in this country of Dr. A. J. L. Moritz, chief engineer of the corporation, F. Q. Boyer, industrial engineer of the Asheville Chamber of Commerce, and other Asheville representatives visited him and presented the proposition of Asheville with the result that the city was placed on a list of 51 cities in various sections of the country as a possible location of the proposed plant. When competition had been reduced to three cities, Asheville citizens became more intense in their efforts to land the plant and induced Jacques C. Hartogs, president of the Enka corporation, and Dr. Moritz and other engineers of the company to visit Asheville and look over several sites, including the one which has been selected.

Citizens of the city and various city organizations then made a determined drive to secure the plant. Dan W. Hill,

president of the Chamber of Commerce; Fred L. Weede, manager; Fred L. Seely, of the special rayon group; L. B. Rogers, city commissioner of public works; E. M. Lyda, chairman of the county commissioners, and every banker of the city joined in the drive and backed up the early work of the State Industrial Bureau.

As announced in the MANUFACTURERS RECORD of September 27, the plant will occupy about 75 acres of a 2100-acre site, the buildings to be mainly of one story. The Lockwood Greene Engineers, Inc., of New York, are the consulting engineers, and the H. K. Ferguson Company, also of New York, building engineers. The main building will be L-shaped, it is announced, with arms 1600 and 1100 feet long by 350 feet wide, the plant to have a daily capacity of 30,000 pounds of viscose yarn, operating on three shifts. The Nichols Contracting Company, Atlanta, has contract for excavation and work and is pushing the work. Fred Swanson, of the construction division of the H. K. Ferguson Company, and A. E. Foltz, purchasing agent, are said to be taking sub-bids on various phases of construction.

The plant will employ initially about 5000 operatives and expects to increase this number to 6000 or 7000 later.

Following close on the announcement that the American Enka Corporation had definitely decided to erect a plant at Asheville, comes the statement that it has secured a site of 260 acres of land about 5 miles from Knoxville, Tenn., on which it will erect a \$10,000,000 plant also. The tract lies in Knox County along the Tennessee River and is accessible by a macadam road leading from the Maryville pike at Mount Olive. Negotiations for the property were closed in the office of Fowler and Fowler, the company's Knoxville attorneys, the representatives of the company being Dr. Moritz and Dr. H. F. Lodeisen, chief attorney. The Knoxville Chamber of Commerce and the Industrial Committee of the Chamber were represented by Manager C. F. Holland.

In the acquisition of the land the American Enka Corporation, it is said, does not state definitely that the construction of the proposed plant will be started immediately. The size and other features of the plant will be approximately similar to the plant to be erected at Asheville.



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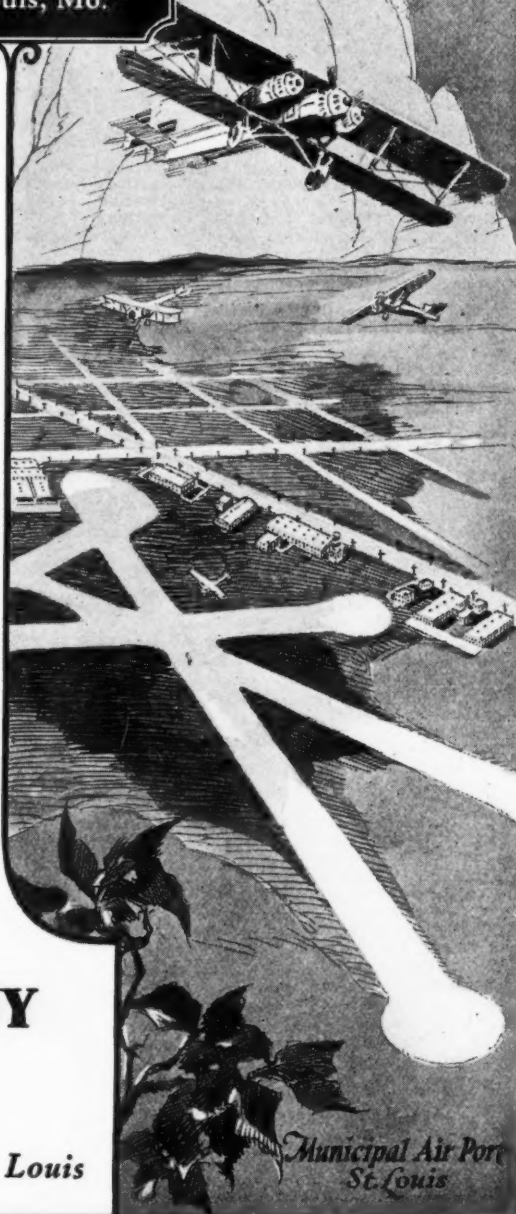
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FINANCIAL NEWS

Bond Issues Proposed

Ala., Montgomery—City Comm. contemplating \$285,000 bond issue: \$185,000, water works extension; \$100,000, sanitary sewer; J. M. Garrett, City Engr.

Ala., Opelika—School—City, W. S. Harris, Clk., votes Nov. 20 on \$125,000 5% bonds.

Ark., Hot Springs—City, Leo P. McLaughlin, Mayor, voted \$64,000 bonds: \$41,000, fire equipment; \$23,000, street cleaning equipment; plans selling bonds. 8-30

Fla., Live Oak—Suwannee County Bd. of Public Instruction, T. W. Sweat, Sec., receives bids Oct. 16 for \$25,000 6% \$1000 denom. Special Tax School Dist. No. 3 bonds.

Fla., Orlando—Refunding—City, J. A. Stinson, Clk., rejected bids for \$135,000 5% bonds. 9-20

Ga., Columbus—Improvement—City Comm. considering \$1,500,000 bond issue for sewers, street, enlargement of city hospital, incinerator.

Ky., Barbourville—Road—Knox County voted \$100,000 bonds. 9-20

Ky., Cynthiana—City Building—City votes Nov. 6 on \$50,000 bonds.

Ky., Owensboro—Bd. of Education will call election for Jan. 12, 1929, on \$150,000 bonds; J. L. Foust, Supt. of Public Schools. 9-20

La., Monroe—School—City, Mayor Bernstein, considering bond issue within next 2 or 3 months; E. L. Neville, Supt. of School System.

La., Opelousas—Road—St. Landry Parish, Sixth Sub-Road Dist., voted \$200,000 bonds. 8-16

Md., Baltimore—City, Wm. F. Broening Mayor, considering voting Nov. 6 on \$10,500,000 loans: \$2,000,000, to eliminate grade crossings, particularly Pennsylvania R. R. Co.'s crossings on Eastern Ave., at Ninth and Eleventh; supplement \$8,000,000 loan previously ratified by voters; \$6,000,000, widen and extend Howard St.; \$2,500,000, airport; authorized Comm. of Finance to sell \$10,000,000 of \$50,000,000, port development loan.

Miss., Aberdeen—Hospital—City votes Oct. 30 on \$50,000 bonds. 9-20

Miss., Carthage—City votes Oct. 19 on \$65,000 bonds for water and sewer.

Miss., Holly Springs—Drainage—Pigeon Roost Creek Drainage Dist., of Marshall, Tate and DeSoto Counties, Smith & Smith, attorneys, receives bids Oct. 5 for \$87,000 \$5,000 denom. bonds.

Miss., Meridian—City considering bond issue for improvements at Highland Park.

Mo., Bismarck—Water—City defeated \$47,000 bond issue. 8-2

Mo., Ozark—Water—City votes Oct. 9 on \$40,000 bonds.

N. C., Asheville—Revenue Anticipation—City Commrs. authorized issuance of \$1,000,000 6% \$5000 denom. notes.

N. C., Boone—Street—Town, A. Y. Howell, Clk., receives bids Oct. 8 for \$25,000 6% \$1000 denom. bonds.

N. C., Charlotte—City Commrs. authorized issuance of \$125,000 bonds: \$70,000, fire station property purchase; \$55,000, fire fighting equipment.

N. C., Gastonia—City Council authorized \$100,000 bond issue: \$85,000, paving; \$15,000, water extension.

Okla., Bartlesville—Parks—City considering \$90,000 bond issue; H. E. Hulen, Chmn. of Committee on Parks and Playgrounds.

Okla., Frederick—Tillman County considering bond issue before Jan. 1, 1929, for highway surfacing.

Okla., Sand Springs—Fire Department—City voted \$15,000 bonds.

S. C., Greenville—Road—Greenville County plans selling \$780,000 bonds.

S. C., Honea Path—Street—City votes Oct. 16 on \$20,000 bonds.

Tenn., Nashville—Sewer—City considering \$400,000 bond issue.

Tex., Abbott—City votes Oct. 9 on \$15,000 6% water works purchase bonds.

Tex., Alpine—Refunding—City votes Oct. 20 on \$126,500 5½% bonds.

Tex., Bryan—School—City, J. Bryan Miller, Mgr., voted \$90,000 bonds. 9-6

Tex., Center—Sewer—City, T. D. Kimlus, Sec., voted \$30,000 6% bonds.

Tex., Coleman—Courthouse, Jail—Coleman County Commrs. Court, E. M. Critz, Judge, refused to order election for \$250,000 bond issue. Lately noted may issue bonds. 9-20

Tex., Henrietta—Road—Clay County voted \$25,000 bonds.

Tex., Higgins—Higgins Independent School Dist., E. C. Gray, plans selling \$40,000 5% bonds.

Tex., Lockhart—Road—Caldwell County votes Oct. 20 on \$150,000 Luling Precinct bonds.

Tex., Lubbock—City voted \$350,000 bonds: \$225,000, street; \$85,000, sewer extension; \$40,000, water.

Tex., Mart—School Bd., J. C. Rogers, Pres., receives bids Oct. 10 for \$15,000 5% bonds.

Tex., Odessa—Paving—City voted \$55,000 street paving bonds. 8-30

Tex., Palestine—City, O. C. Cutter, Sec., receives bids Oct. 15 for \$75,000 bonds: \$60,000, streets; \$15,000, school. 9-27

Tex., Poteet—Poteet Independent School Dist. votes Oct. 18 on \$18,000 bonds; R. S. Guyens, Sec., School Board.

Tex., San Antonio—Municipal Improvement—City, C. M. Chambers, Mayor, rejected bids on \$4,755,000 bond issue. 8-9

Tex., San Benito—City, J. Scott Brown, Mayor, considering \$140,000 bond issue to retire bonds bearing higher rate of interest.

Tex., San Juan—Bd. of Dir. Hidalgo County Water Improvement Dist. No. 2, Clay Everhard, Pres., receives bids Oct. 18 for \$1,000,000 6% irrigation bonds.

Tex., Wharton—Road—Wharton County, John Norris, County Judge, considering selling \$500,000 Road Dist. No. 4 bonds.

Va., Clarendon—Water—Arlington County Bd. of Supvrs., Wm. H. Duncan, Clk., receives bids Oct. 30 for \$50,000 \$1000 denom. notes.

Bond Issues Sold

Ala., Phenix City—Paving—City, Ashby Floyd, Mayor, sold \$67,000 5% bonds to Walter, Woody & Heimerdinger, Cincinnati, Ohio, \$97,182.

Fla., Monticello—Road—Jefferson County sold \$100,000 5% coupon bonds to Barnett National Bank, Jacksonville.

Ky., Louisville—School—City, Bd. of Education, Samuel D. Jones, Bus. Dir., sold \$1,500,000 4½% bonds, to syndicate composed of Bankers Trust Co., Estabrook & Co., Detroit Co., all New York, and J. C. Wilson & Co., Louisville, 101.849. 8-30

Miss., Clarksdale—Drainage—Coahoma County Hopson Bayou Drainage Dist. Commrs., C. G. Bobo, Sec., Lyon, sold \$55,000 6% bonds to Commerce Securities Co., Memphis, \$375 premium. 9-13

Miss., Flora—Sewer—Town, Geo. Farr, Clk., sold \$25,000 5½% \$500, \$1000 and \$1500 denom. bonds to A. K. Tigrett & Co., Memphis, Tenn., \$200 premium, accrued interest and expenses. 9-27

N. C., Winston-Salem—City sold \$1,600,000 5½% notes, jointly, to First National Bank, and Salomon Bros. & Hutzler, both New York.

S. C., Aiken—Improvement—City, Henry Busch, Clk., sold \$324,500 bonds to J. H. Hilsman & Co., Robinson, Humphrey Co., and Citizens and Southern National Bank, all Atlanta, for \$310,750: \$125,000, drainage; \$92,500, paving; \$82,000, indebtedness; \$25,000, sewer. 8-9

S. C., York—York County sold \$100,000 loans to Loan and Savings Bank of York: \$90,000, school; \$10,000, county expenses.

Tenn., Jackson—School—City, Lawrence Taylor, Mayor, sold \$225,000 4½% coupon bonds to R. W. Spragins & Co., Jackson, at par. 8-13

Tenn., Knoxville—City, L. M. Emert, Dir. of Finance, sold \$1,367,000 4½% \$1000 denom. bonds to Caldwell & Co., Nashville, Tenn., \$1,370,813, and accrued interest: \$767,000, improvement; \$500,000, sewer; \$100,000, bridge. 9-13

Tenn., Selmer—Caldwell & Co., Nashville, purchased \$125,000 McNairy County highway bonds, premium \$250; \$50,000 county school warrants for building fund, at par.

Tex., Austin—City, Adam Johnson, Mgr., considering \$500,000 bond sale, to finance storm and sanitary sewers, and reimburse general and water and light funds.

Va., Virginia Beach—City sold \$25,000 water and general improvement bonds to Mottu & Co., Norfolk. 9-13

W. Va., Beckley—Road—Raleigh County Commrs. sold \$566,000 5½% Town Road Dist. coupon bonds to Braun, Bosworth & Co., Toledo, Ohio, \$26,153 premium.

New Financial Corporations

Ark., Camden—Industrial Thrift and Loan Co., organized; L. M. Stern, L. W. Bower.

Ga., Dublin—Dublin Bank and Trust Co., capital \$100,000; applied for charter; Citizens and Southern National Bank, Wm. Murphy, Pres., Savannah, will own Dublin Bank.

Ky., Milford—Milford Deposit Bank, incorporated; Frank LeBus, Cynthia; M. D. Dickey, Berry.

Ky., Morehead—Citizens Bank of Morehead; Dr. Thomas A. E. Evans, Pres.; E. E. Haggard, V.-P.; J. W. Hogge, Cashier.

N. C., Asheville—Imperial Securities Corp. authorized capital \$100,000, chartered; R. H. Cooke, T. B. Livingston, Jr.

Tex., Alice—Texas State Bank of Alice, capital \$75,000, chartered; Wm. L. Pearson, Pres., Post-Dispatch Bldg., Houston; Senator Archie Parr, V.-P., Benavides; Tom Clark, Cashier, Alice.

Tex., Houston—Fidelity Bond and Mortgage Co., Post-Dispatch Bldg., proposed capital \$1,000,000, organized; Col. Thomas H. Ball, temporary President.

Manhattan Savings Bank and Trust Co., Hirsch Morris, Pres., Fidelity Bank and Trust Co., W. E. Stansbury, Pres., and City Savings Bank, Wm. White, Pres., all Memphis, Tenn., merged as Manhattan Savings Bank and Trust Co., with Hirsch Morris, Pres., Eldredge Armistead, Cashier; will remodel City Savings Bank Bldg., Second St. and Madison Ave.

First National Bank, G. R. McCullough, Ch. of Bd., and First Trust and Savings Bank, White Phillips, Ch. of Bd., all Tulsa, Okla., merged as First National Bank and Trust Co.; R. P. Brewer, Ch. of Bd.; R. Otis McClintock, Pres.; combined resources over \$30,000,000.

Bank of Springhill, La., J. F. Giles, Pres., purchased Bank of Sarepta, La., J. A. Robinson, Pres.; combined capital \$65,000; J. F. Giles, Pres. of consolidated banking business.

Morris Plan Bank of Virginia, Thomas C. Boushall, Pres., 726 E. Main St., Richmond, Va., plans increasing capital, \$400,000 to \$500,000.

Caldwell & Co., Nashville, Tenn., announce organization of new investment trust, known as Shares in The South, Inc., chartered under the laws of Delaware, with offices in Nashville and New York; Rogers Caldwell, Pres.; DeWitt Carter, V.-P.; T. W. Goodloe, Sec.

"Facts About Fire Insurance" is the title of a booklet recently issued by Lockwood Greene Engineers, Inc., to give appraisal and engineering clients an insight into fire insurance practice and thereby assist them in protecting their interests. Among the subjects treated are the following: The Insurance Policy; Types of Underwriters; Obligations of the Insurance Company; Obligations of the Property Owner; Coinsurance Clause; Insurance Rates; Grading of Cities for Fire Insurance Purposes; Adjustment of Losses; Appraisal Clause; Use and Occupancy Insurance; Agents and Brokers; Property Usually Not Insured; Disclaimer, Demolition and Mortgage Clauses; Appraisals for Fire Insurance Purposes. It is pointed out that an appraisal has three uses in connection with fire insurance: 1—Assists the owner in purchasing fire insurance on the proper basis and for the correct amount; 2—Enables the owner to promptly adjust a loss in such a way that he will know he has received fair treatment; 3—Helps an owner rebuild after a fire.

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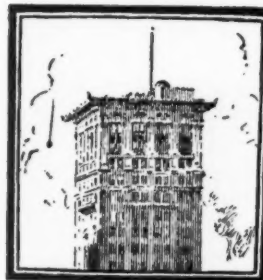
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1884

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Capital and Surplus Six Million Dollars

Texas State Fair Attractions.

Dallas, Tex., September 29—[Special.]—From all preparations and indications, the forty-second annual State Fair of Texas, opening on October 6 and running through October 21, will be one of the greatest events of its kind, and the record attendance of 1,028,000 last year is expected to be exceeded. New features will include the first annual Southwestern Dairy Show, the National Cotton Show, with \$10,000 in prizes; a new dairy exhibits building, a new concrete, permanent Midway; improved grandstand facilities and many new demonstrations of interest to farmers, stockmen and the general public. The automobile trade will stage the first presentation of 1929 models of many makes.

\$500,000 Improvements for Richmond Car Plant.

Richmond, Va.—The expenditure of \$500,000 for enlarging and improving the Richmond Car Works' plant is involved in plans recently announced here. The company is at present engaged on an order for 300 70-ton steel gondola cars for the Chesapeake and Ohio Railway Company. Its present capacity is between 15 and 20 cars per day but the proposed enlargement will probably double this output. The Richmond Car Works is a subsidiary of the Standard Steel Car Company, Pittsburgh, Pa., J. C. Snyder, vice-president, in charge of the Richmond plant.

\$350,000 Garage for San Antonio, Tex.

San Antonio, Tex.—Plans are being prepared by Atlee B. and Robert M. Ayres, architects of this city, for a \$350,000 garage here for the Smith Brothers Properties, Inc. The building will be of reinforced concrete and brick and will have a storage capacity of 325 cars.

Two Tulsa Banks Consolidate.

Tulsa, Okla.—Directors of the First National Bank and the First Trust and Savings Bank have concluded arrangements for consolidating the two institutions under the name of the First National Bank and Trust Company. The capital stock of the new bank will be \$2,500,000 and its surplus in excess of \$800,000, with a capital of \$250,000 in the First National Company, a subsidiary. Officers will include R. P. Brewer, chairman of the board; R. Otis McClintock, president; Omer K. Benedict, vice president; Dudley C. Monk, trust officer, and W. J. Vaught, manager of the trust department.

Texas Telephone Holdings Change Hands.

Brownwood, Tex.—Holdings of the West Texas Telephone Company, Brownwood, including exchanges in 20 towns, have been purchased by the Southwest Telephone Company, Little Rock, Ark., at a consideration of more than \$2,000,000. The purchasing company will reorganize as the Southwestern States Telephone Company and will move its general offices from Little Rock to Dallas, it is announced. It operates exchanges in a number of towns in Arkansas and Oklahoma.

\$400,000 Building for University of Maryland.

Plans have been filed with the Bureau of Buildings, Baltimore, for a \$400,000 laboratory and class room building for the schools of dentistry and pharmacy of the University of Maryland, the structure to be erected at Lombard and Greene streets. It will be four and one-half stories high. Plans have been prepared by Smith and May and the general contract will be handled by the Price Construction Company, both of Baltimore.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 30, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received until 11 A. M. October 30, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Recreation Building and Covered Passage, including road, walk, curbs and grading at U. S. Veterans' Hospital, Memphis, Tennessee. This work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and base tile, iron work, steel sash, iron stairs, with slate treads; slate, metal and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, insect screens, painting, glazing, hardware, plumbing, heating, electrical work and outside sewer, water, steam and electric distribution systems. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 764 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$15, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. **FRANK T. HINES**, Director. September 27, 1928.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for constructing and delivering three steel barges. Further information on application.

Bids close October 18, 1928.

\$2,600,000 State Pension Obligation STATE OF ARKANSAS

Little Rock, Ark.

Sealed bids for Two Million Six Hundred Thousand Dollars (\$2,600,000.00) serial coupon obligations of the State of Arkansas will be received by the Board authorized to sell same until 10 A. M. on the 18th of October, 1928, at which time bids will be opened in public at the office of the State Treasurer in the City of Little Rock, Arkansas. Said coupon obligations are the direct obligations of the State of Arkansas, are negotiable, payable to bearer, and may be registered. Said obligations will be dated November 1, 1928, and will mature serially as follows:

\$1,000.00	November 1, 1930
1,000.00	October 1, 1931
1,000.00	October 1, 1932
1,000.00	October 1, 1933
15,000.00	October 1, 1934
70,000.00	October 1, 1935
120,000.00	October 1, 1936
120,000.00	October 1, 1937
125,000.00	October 1, 1938
125,000.00	October 1, 1939

135,000.00	October 1, 1940
145,000.00	October 1, 1941
145,000.00	October 1, 1942
155,000.00	October 1, 1943
155,000.00	October 1, 1944
165,000.00	October 1, 1945
175,000.00	October 1, 1946
175,000.00	October 1, 1947
185,000.00	October 1, 1948
195,000.00	October 1, 1949
195,000.00	October 1, 1950
196,000.00	October 1, 1951

The obligations will be issued in denominations of One Thousand Dollars (\$1,000.00) or multiples thereof, at the request of the purchaser. Bids will be taken on the basis of interest at 4%, 4½% and 4¾%, principal and interest payable in lawful money of the United States at the National Park Bank, in the City of New York. Approving opinion of Thompson, Wood & Hoffman, of New York City, and Rose, Hemingway, Cantrell and Loughborough, of Little Rock, Arkansas, will be furnished to the purchasers, and the purchasers will be required to pay the expenses of such opinions, cost of printing the bonds, and other incidentals, amounting to Seventy-five Hundred Dollars (\$7,500.00), and this item must be separately stated in the bid.

The proceeds of this issue are to be used by the State in paying pensions, and the full faith and credit of the State are pledged for the prompt payment of said obligations and the interest thereon. The State reserves the right to reject any or all bids.

For circular giving detailed information, address the Governor, the Secretary of State, or the State Treasurer.

RALPH KOONCE,

Treasurer of the State of Arkansas.

(Additional Proposals on Pages 112-114)

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PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 24, 1928.

U. S. Engineer Office, 300 Custom House, Baltimore, Md. Sealed proposals will be received here until 1 o'clock P. M., Eastern Standard Time, October 24, 1928, and then opened, for dredging approximately 210,000 cubic yards of material in Baltimore Harbor and Channels, Md. Further information on application.

Bids close October 18, 1928.

\$1,000,000 6% Irrigation Bonds

San Juan, Texas.

Notice is hereby given that the Board of Directors of Hidalgo County Water Improvement District No. 2 will offer for sale to the highest bidder, at its office at San Juan, Texas, at ten (10) o'clock A. M., on the eighteenth (18th) day of October, Series "A," amounting to one million (\$1,000,000) Dollars, of an issue of three million (\$3,000,000) Dollars of bonds voted for the improvement of its irrigation system, said bonds being dated August 15, 1928, maturing serially and bearing interest at six (6%) per cent, payable semi-annually and having been validated by suit in the District Court of Hidalgo County, Texas.

Bidders must present sealed bids, together with a certified check in the amount of twenty thousand (\$20,000) dollars, payable to Hidalgo County Water and Improvement District No. 2 reserves the right to anteel that the terms of the bid will be complied with. Said check to be forfeited to the District as liquidated damages in the event of non-compliance with the terms of the bid.

The Hidalgo County Water and Improvement District No. 2 reserves the right to reject any or all bids.

CLAY EVERHARD, President
Hidalgo County Water
Improvement Dist. No. 2.

Bids close October 9, 1928.

Reinforced Concrete Bridges

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building bridges as follows:

Charles County, Cont. Ch-52—Single 20-foot span reinforced concrete slab bridge on road from Mason Springs to Chicomuxen at Chicomuxen.

Charles County, Cont. Ch-53—Single 20-foot span reinforced concrete slab bridge on road from Mason Springs to Marbury at Marbury.

Charles County, Cont. Ch-54—Single 20-foot span reinforced concrete slab bridge on road from Welcome to Hill Top, 1 mile east of Hill Top.

Charles County, Cont. Ch-55—Double-span reinforced concrete girder bridge, each span 23 ft. 9 in., over Port Tobacco Creek on road from La Plata to Mason Springs.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 9th day of October, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.
BY ORDER of the State Roads Commission this 27th day of September, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close October 8, 1928.

Office of Constructing Quartermaster, Fort Bragg, N. C. Sealed proposals in triplicate will be received until 10 A. M. October 8, 1928, and then opened, for the construction and completion of approximately 4650 sq. yds. concrete street pavement, 1650 sq. yds. gravel road, 4500 lin. ft. combination curb and gutter, 1500 sq. yds. concrete sidewalks, 1400 lin. ft. 8-inch and 6-inch T.C. drain tile, together with excavation, grading, drainage, etc., at Fort Bragg, N. C. \$25 certified check, payable to Treasurer of United States, required as deposit for drawings, etc. Further information on request.

Bids close October 26, 1928.

Roads and Bridges

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, at 10 A. M. Friday, October 26, 1928, and opened publicly at that hour, for the construction of the following projects:

S.B. PROJECT NO. 4-C, PERRY COUNTY—Grading and drainage of 0.856 mile of State Highway No. 20 between Linden and Perryville, being the East approach S.B.P. 4-A at the Tennessee River.

S.B. PROJECT NO. 8-B AND 323-C, MONROE-LOUDON COUNTIES—Grading and drainage of 1.891 miles of State Highway No. 33 between Madisonville and Maryville, being the approaches to S.B.P. No. 8-A at the Little Tennessee River.

S.B. PROJECT NO. 9-A, STEWART COUNTY—The construction of a steel and concrete bridge over the Cumberland River on State Highway No. 76 at Dover.

S.B. PROJECT NO. 9-B, STEWART COUNTY—The construction of two concrete deck girder bridges on State Highway No. 76 at Dover, being overflow bridges to S.B.P. 9-A.

S.B. PROJECT NO. 10-B, MEIGS COUNTY—Grading and drainage of 1.126 miles of State Highway No. 58 between Decatur and the Hamilton County line, being the approaches to S.B.P. No. 10-A at the Hiwassee River.

S.B. PROJECT NO. 11-A—HANCOCK COUNTY—The construction of a steel and concrete bridge and earth approaches on State Highway No. 66 over the Clinch River near Sneedville.

S.B. PROJECT NO. 12-A, CLAY COUNTY—The construction of a steel and concrete bridge on State Highway No. 52 over the Cumberland River at Celina.

S.B. PROJECT NO. 13-B, HENRY COUNTY—The construction of a concrete deck girder bridge on State Highway No. 76 at the Tennessee River, being an overflow bridge to S.B.P. No. 13-A.

S.B. PROJECT NO. 13-C, HENRY AND STEWART COUNTIES—Grading and drainage of 0.818 mile of State Highway No. 76 at the Tennessee River, being the earth approaches to S.B.P. No. 13-A. Drag line will be permitted.

PROJECT NO. 80-C, DAVIDSON COUNTY—The construction of a steel and concrete bridge and earth approaches on 1.419 miles of State Highway No. 24 at Stones River.

PROJECT NO. 122-E, LAWRENCE COUNTY—The construction of two concrete bridges on State Highway No. 15 East of Lawrenceburg.

PROJECT NO. 214-D, MADISON COUNTY—The construction of a concrete overhead structure and approaches on State Highway No. 5 over the I. C. Railway South of Jackson.

PROJECT NO. 353-C, HAMILTON COUNTY—Grading and drainage of 7.928 miles of State Highway No. 29 between Falling Water and Soddy. Bids for two bridges over twenty-foot span will be received separately.

PROJECT NO. 371-B, PUTNAM COUNTY—Construction of a concrete bridge over

Falling Water Creek on State Highway No. 42 between Cookeville and Monterey.

PROJECT NO. 378-C, GIBSON COUNTY—Grading and drainage of 9.646 miles of State Highway No. 54 between Trenton and Bradford. Bids for two timber bridges over twenty-foot span will be received separately.

PROJECT NO. 378-D, WEAKLEY COUNTY—Grading and drainage of 11.330 miles of State Highway No. 54 between Greenfield and Dresden. Bids for six timber bridges over twenty-foot span will be received separately.

PROJECT NO. 378-E, GIBSON COUNTY—Construction of a timber overhead structure and approaches on State Highway No. 54 over the M. & O. Railroad near Trenton.

PROJECT NO. 379-F, COCKE COUNTY—Grading and drainage of 5.370 miles of State Highway No. 9 between the Jefferson County line and Newport. Bids for three bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 385-B, HENRY COUNTY—Grading and drainage of 17.330 miles of State Highway No. 76 between Paris and the Tennessee River. Bids for eight concrete deck girder bridges over twenty-foot span will be received separately.

PROJECT NO. 386-A, HAMILTON COUNTY—Grading and drainage of 1.967 miles of State Highway No. 27 between Glendale and Valdeau. Bids for two bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 388-B, WILLIAMSON COUNTY—Grading and drainage of 11.469 miles of State Highway No. 6 between the Maury County line and Franklin. Bids for four bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 505-B, DICKSON COUNTY—Construction of three concrete bridges and approaches on State Highway No. 48 between Dickson and Charlotte.

PROJECT NO. 506-B, HAMILTON COUNTY—Construction of a concrete overhead structure and a concrete bridge and approaches on 0.486 mile of State Highway No. 2 between East Chattanooga and Silverdale at the N. C. & St. L. Railroad and Chickamauga Creek.

PROJECT NO. 507-A, WASHINGTON COUNTY—Grading and drainage of 9.974 miles of State Highway No. 36 between Johnson City and the Sullivan County line. Bids for six bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 508-B, HICKMAN COUNTY—Grading and drainage of 7.116 miles of State Highway between the end of State Project No. 508-A and the Williamson County line.

PROJECT NO. 512-B, RUTHERFORD COUNTY—Construction of a concrete deck girder bridge on the Sam Davis Road over Stewart Creek near Smyrna.

PROJECT NO. 516-A, DAVIDSON COUNTY—Grading and drainage of 10.873 miles of State Highway No. 11 between Nashville and a point North of Goodlettsville. Bids for eight bridges over twenty-foot span will be included with the roadway contract.

PROJECT NO. 517-A, DAVIDSON COUNTY—Grading and drainage of 13.767 miles of State Highway No. 12 between Nashville and the Cheatham County line. Bids for three concrete bridges over twenty-foot span will be received separately.

PROJECT NO. 518-A, MOORE COUNTY—Grading and drainage of 0.350 mile of State Highway No. 15 between Fayetteville and Winchester at Grammar Hill.

Bidder's bond on the form furnished with the proposal, from a surety acceptable to this Department, or certified check, made payable to this Department, in the amount of not less than five per cent (5%) of the total bid must accompany the bid as evidence of good faith and as guarantee that, if awarded the contract, bidder will execute and give bond as required.

Plans are furnished at cost, with no refund. Standard Specifications are furnished at a charge of \$1.00, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,
Commissioner.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for dredging approximately 151,700 cubic yards of sand and mud in Neuse and Trent Rivers, N. C. Further information on application.

Bids close October 30, 1928.

White Way Lighting

Mobile, Ala.

Sealed bids will be received by the Board of Commissioners of the City of Mobile until 12 o'clock noon October 30, 1928, for the installation of White Way Lighting Venture No. 1 in the City of Mobile, Alabama.

Project No. 1—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 2—67 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 3—12 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 4—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 5—3 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 6—35 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 7—68 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 8—60 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 9—20 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 10—122 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 11—29 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 12—113 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 13—156 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 14—13 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Project No. 15—31 lights, to include all transformers, standards, fittings, overhead and underground feed wires as related to other projects.

Plans and specifications are on file in the office of the City Electrical Engineer in the Municipal Building and may be obtained upon receipt of Twenty-five (\$25) Dollars.

All bids must be addressed and delivered to S. H. Hendrix, City Clerk, on or before the time above stated and accompanied by a certified check for the amount of One Thousand (\$1000) Dollars to insure the completion of the signing of the contract and furnishing of a surety bond by the contractor whose bid is accepted. All other checks, except successful bidder's, to be returned on demand after opening and tabulation of bids. The successful bidder's check shall be returned after signing surety bond.

The contractor to whom the work is awarded will be required to furnish a surety bond for the full amount of the contract price, plus fifty (50%) per cent, insuring the completion of the contract according to plans and specifications.

The Board of Commissioners reserve the right to reject any and all bids.

ANDREW A. COFFIN,
Electrical Engineer,
City of Mobile.

Bids close October 16, 1928.

Street Improvements

Montevallo, Ala.

Sealed bids will be received by the Town of Montevallo, Alabama, at the office of the Mayor until 1 P. M. October 16, 1928, and at that time publicly opened for the construction of certain street improvements under Improvement Ordinance No. 3. The same being in the Town of Montevallo, Alabama. The principal items of work are approximately as follows: 10,300 Cu. Yds. Earth Excavation; 4000 Sq. Yds. Sidewalk; 17,000 Sq. Yds. Concrete Paving; 6600 Lin. Ft. Curb and Gutter; 5190 Lin. Ft. Curb; 1800 Lin. Ft. Storm Sewers. Payable in not less than five (5) per cent cash, remainder in special assessment, non-obligation bonds.

Plans and specifications are on file in the office of the Town Clerk at Montevallo and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured, on deposit of \$5.00, from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.00.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Four Thousand Five Hundred Dollars made payable to the Town of Montevallo, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

J. R. JOHNSON,
Mayor.

ROBERT L. TOTTEN, INC.,
Consulting Engineers,
Birmingham, Ala.

Bids close October 16, 1928.

Paving

Laredo, Texas, September 17th, 1928.

Sealed Proposals for the construction of approximately 67,000 Square Yards of Bituminous paving on a six-inch concrete base will be received by the City of Laredo, Texas, until 7:30 P. M., Tuesday, October 16th, 1928, when Bids will be publicly opened and read.

Each Bid must be accompanied by Cash or a Certified Check for \$10,000.00, made payable to the City Treasurer of Laredo, Texas.

The following types of Bituminous surfaces will be considered:

- 2" Hot mixed Limestone Rock Asphalt
- 2" Warrenite-Bitulithic
- 2" Modified Topeka Mix
- 2" Coarse Aggregate Bituminous Concrete
- 2" Duraco

with an alternate of six-inch Vibrolithic Concrete Pavement.

Plans and Specifications may be seen at the Office of Frank C. Heins, City Engineer, or taken out on Deposit of \$10.00 to be returned upon receipt of the Plans and Specifications in good condition.

The City reserves the right to reject any or all bids.

THE CITY OF LAREDO, TEXAS.
(Signed) ALBERT MARTIN, Mayor.

Attest:—
A. R. GARCIA, City Secretary.

Bids close October 11, 1928.

Notice to Building Contractors

Jackson, Miss.

Notice is hereby given that The Building Commission will receive sealed bids at the office of W. C. Trotter, Secretary, in the New Capitol Building, Jackson, Mississippi, until 2:00 o'clock P. M., October 11th, 1928, at which time and place bids will be publicly opened and read, for the construction of the following buildings for the University of Mississippi, at Oxford, Mississippi, together with all Plumbing, Heating and Electric Wiring for the first four named, to-wit:

- Girls' Dormitory.
- Dining Hall and Kitchen Addition to Girls' Old Dormitory.
- Boys' Dormitory No. 1.
- Boys' Dormitory No. 2.

All according to plans and specifications as prepared by Frank P. Gates Company, Architects and Engineers, 507 Edwards Hotel Building, Jackson, Mississippi, and now on file in the office of W. C. Trotter, Secretary. Plans and specifications may be

inspected at the office of the Secretary, or at the office of the Architect.

Complete plans and specifications will be furnished by the Architect upon a deposit of \$50.00. When each set of plans and specifications is returned in good order, not later than one week after contract is awarded, the deposit, less \$15.00 will be refunded. General Building Contractors submitting bid will be refunded the full amount of deposit on one set of plans and specifications. Bids on the Building, Plumbing, Heating and Electric Wiring shall be submitted only by Contractors engaged in these respective branches of work.

Bids shall be made on "Proposal Forms" furnished by the Architect. Any bid not so made shall be considered as informal and may be rejected.

Each bid shall be accompanied by a certified check, on a good and solvent bank in the State of Mississippi, made payable, without recourse, to The Building Commission, in the sum of not less than five (5%) per cent of the amount of bid, as a guarantee that if awarded the contract the Bidder will enter into contract and furnish a Surety Bond in the sum of one hundred per cent (100%) of the contract.

The right is reserved to reject any or all bids and to waive any formalities.

THE BUILDING COMMISSION.

By W. C. TROTTER, Secretary.

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Thursday, October 11, 1928, at 10:00 A. M. at the State Capitol Building, Jackson, Mississippi, for the Construction of Reservoir, Pump House, Deep Well and Pipe Connections for the Agricultural and Mechanical College, Starkville, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsley, 11th Floor Lamar Life Building, Jackson, Mississippi, upon receipt of Twenty (\$20.00) Dollars to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualifications to the Building Commission. The right to reject any or all bids is reserved.

THE BUILDING COMMISSION.

By W. C. Trotter, Secretary.

C. H. Lindsley,
Architect,
Jackson, Miss.

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Thursday, October 11, 1928, at 10:00 A. M. at the State Capitol Building, Jackson, Mississippi, for the Construction, Plumbing, Heating and Wiring on the Administration Building, The Dining Hall and The Girls' Dormitory; all at the Delta State Teachers' College, Cleveland, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsley, 11th Floor Lamar Life Building, Jackson, Mississippi, upon receipt of Fifty (\$50.00) Dollars for Building Set, and Thirty (\$30.00) Dollars each for Plumbing, Heating and Wiring to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualifications to the Building Commission. The right to reject any or all bids is reserved.

THE BUILDING COMMISSION.

By W. C. Trotter, Secretary.

C. H. Lindsley,
Architect,
Jackson, Miss.

Bids close October 23, 1928.

Water Works and Sewers.

Archer City, Texas.

Sealed bids will be received at the office of the Mayor of Archer City, Texas, until 2 o'clock P. M. Tuesday, October 23, 1928, for approximately \$40,000 water works improvements and \$40,000 sewer system improvements. Plans and specifications may be obtained from Messrs. Montgomery & Ward, Engineers, Harvey-Snyder Building, Wichita Falls, Texas.

F. M. POWER, Mayor.

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until October 11th, 1928, at 2.00 P. M. at the State Capitol Building, Jackson, Mississippi, for the Alteration and Additions to the Hospital Building, Plumbing, Heating and Wiring and the construction of a Garage, to the Matty Hersee Charity Hospital, Meridian, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, R. C. Springer, Rosenbaum Building, Meridian, Mississippi, upon receipt of Fifty (\$50.00) Dollars for Building Set, and Thirty (\$30.00) Dollars each for Plumbing, Heating and Wiring to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Bldg., Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualification to The Building Commission. The right to reject any or all bids is reserved.

THE BUILDING COMMISSION,

By W. C. Trotter, Secretary.

R. C. Springer,

Architect,

Meridian, Mississippi.

Bids close October 26, 1928.

Erection of Pumping Equipment

Mobile, Ala.

Sealed bids for furnishing all labor and materials for the erection and installation of the pumping equipment listed below will be received at the office of the Commissioners of the City of Mobile, Alabama, in the City Hall until 12 o'clock noon October 26, 1928, at which time bids will be opened and publicly read, after which the bids will be considered and award made as early as practicable.

The proposed project includes the following:

Bienville Pumping Station:

(a) Removal of one steam unit.

(b) Installation of 2 5200 g.p.m. 220-foot head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pumps.

Spring Hill Pumping Station:

(a) Removal of one steam unit.

(b) Installation of 1 5200 g.p.m. 170-foot head, dual drive, synchronous motor and gasoline engine, horizontal centrifugal pump.

(c) Installation of 1 400 g.p.m. 350-foot head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump.

Spring Hill Booster Pumping Station:

(a) Erection of Building, 15 ft. x 20 ft. x 15 ft. (approx.).

(b) Installation of 1 5200 g.p.m. 300-foot head, dual drive, induction motor and gasoline engine, horizontal centrifugal pump.

All of the installations shall consist of: Complete piping, including connections to present mains, all valves, fittings, foundation, electric wiring and control motors are to be 2200 volt, 3 phase, 60 cycle, and gasoline engines should be of the heavy-duty industrial type.

A certified check on a reputable National or State bank or a bank draft for Five Hundred Dollars (\$500), made payable without reserve to the Mayor of the City of Mobile, Alabama, must accompany each bid.

The right is reserved to reject any or all bids, to waive any information in any bid

received, to accept any bid considered advantageous to the City of Mobile and also to disregard any failing or irresponsible bidder or contractor known as such.

Blank forms of proposals may be obtained and plans and specifications may be seen at the office of the Engineer of the City of Mobile, Alabama.

WRIGHT SMITH,
City Engineer.

Bids close October 11, 1928.

Turbine Foundation

Rocky Mount, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Rocky Mount, N. C., until 8 P. M. Thursday, October 11, 1928, for furnishing labor and materials for and constructing the reinforced concrete and structural steel turbine foundation for turbine to be installed in the Municipal Power Plant of the City of Rocky Mount, North Carolina.

Proposals must be marked "PROPOSALS FOR TURBINE FOUNDATION." All proposals must be made on blank forms provided in each copy of the Proposal, Contract and Specifications.

Each Proposal must be accompanied by a certified check in the amount of (5%) five per cent of the amount of the proposal, but in no case for a less amount than (\$250) Two Hundred Fifty Dollars as evidence of good faith.

Copies of Proposal Forms, including Specifications, Form of Contract, etc., may be obtained upon application to the City Purchasing Agent.

The right is reserved by the city to reject any or all bids or to award contract or contracts which, in the opinion of the Engineers and the Board, appear to be for the best interests of the City of Rocky Mount.

CITY OF ROCKY MOUNT, N. C.

JOHN INNES, Purchasing Agent.

WILLIAM C. OLSEN, INC.,

Engineers,

Raleigh, North Carolina.

L. L. GRAVELLY, Mayor.

R. C. BRAKE,

Chairman Public Works Committee.

H. G. OTIS, City Manager.

(Additional Proposals on Page 110)

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

WATER-POWER SITE

at High Falls, on Little River, Oconee Co., South Carolina, 12 miles from Seneca Station, Southern Railway. Two falls, 5 and 29½ feet each; natural rock dam. Estimated full development 900 horsepower; average 600; 230 acres in tract. No incumbence. GEO. M. COFFIN, Putnam, Conn.

MANGANESE DEPOSIT

MANGANESE—NEAR RAILROAD AND RIVER, IN ROCKINGHAM CO., VA.: 260 ACRES HIGH-GRADE ORE. HAS YIELDED 6000 TONS THE ACRE. ADJACENT LAND ALSO YIELDS ORE. FOR DESCRIPTION AND TERMS WRITE A. L. HARNSBERGER, MT. AIRY, MD.

COAL LANDS AND MINES

INVESTIGATE THIS OPPORTUNITY 10,000 acres of coal land in feet in Tenn., near the Kentucky line. Three good seams of coal, 40 to 48 inches thick; the celebrated Jellico coal. One mile of the L. & N. R. R. and two and half miles of the Southern. All in one block. For complete report and price address

S. T. RANDLE,
142 N. Upper St., Lexington, Ky.

TIMBER AND TIMBER LAND

VIRGIN LONG-LEAF PINE TIMBER; 15,445,000 feet in one block forty miles northwest of Port of Palm Beach near Seaboard Air Line R. R. Five years time to remove timber. Price \$75,000; one-third cash, balance in one and two years, with 6% interest. Address HERMAN J. KUPPERS, Box 1385, Vero Beach, Florida.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TIMBER AND TIMBER LANDS

N. C. PINE TIMBER

For Sale—One tract 10 million feet Virgin Short Leaf Yellow Pine, 2¼ to 4 miles to railroad, on good roads. One tract 1¼ million feet Short Leaf Yellow Pine, 1½ miles to railroad, on good roads. Good logging conditions; no skidders required. Ideal small Sawmill propositions. Address

BOX NO. 1184,
WILMINGTON, N. C.

FARM, FRUIT AND TRUCK LANDS

CUBA

CUBA, THE TROPICAL PARADISE. Now is the time and this is the place. Wonderful opportunities for the man who knows. Best farm lands near Havana; crops all the year around. M. A. Alvarez, Realtor, P. O. Box 2524, Havana, Cuba.

FLORIDA

"TWENTY ACRES AND PLENTY"

FREE book tells truth about Florida land; monthly payments \$1.50 an acre; no interest; no taxes; sick benefit features.

SYLVESTER E. WILSON,
Department X,
Orlando, Fla.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

LAKE COUNTY—100 acres bordering lake; 35 acres in bearing grove; 2196 trees; in perfect condition; crop included; choice location. Special price \$23,000.

P. B. RUGGLES, Groveland, Fla.

PLAYGROUND OF THE RICH; Paradise of the Poor. Good road right from your gate all the way down. "Everybody" else is coming down this season; come and be one of us. Send today for booklet and list of Homes, Groves, Farms and Investments. Tampa-West Coast Realty Co., Opp. P. O. "Since Before the War," Tampa, Florida.

NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

450-ACRE FARM, suitable for dairying, poultry, grain, cotton. Six houses, good barn, partially fenced. Five miles from Mocksville, Davie County (in the heart of North Carolina's best diversified farming section). Write Box 7, Mocksville, N. C.

If Interested

FOR HOME OR FOR INVESTMENT In the great and rapidly developing STATE OF NORTH CAROLINA, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to

F. C. ABBOTT & CO.,
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

FARM, FRUIT AND TRUCK LANDS

TENNESSEE

1600 ACRES—Cumberland Plateau land in Tennessee, in a solid body; 5 good houses, barns, etc.; several small farms in cultivation, 2 to 5 miles from trunk-line railroad; public highways through the tract. Fine for stock, fruit and vegetables; \$10 per acre. KEITH WEBB & SON, 217 First National Bank Building, Chattanooga, Tenn.

TEXAS

1285 ACRES on highway near Cleveland, suitable for ranch and farm. 627-acre ranch on highway near Cleveland; 3 pastures; hog wire fence; 7-rm. house. Several hundred acres suitable for strawberry and truck growing. J. A. Hunt, Cleveland, Tex.

VIRGINIA

CHESTERFIELD COUNTY LAND—About 1200 acres land in one parcel; five miles Chesterfield Court House, Va.; twenty miles from Richmond, Va. Ten dollars per acre. This land is mostly covered with small growing timber. Box 445, Petersburg, Va.

BUSINESS OPPORTUNITIES

MARVELOUS CEMENT Compound enables the use of common "scrub" sand in making concrete and cement products, saving \$2.50 to \$5.00 for each cu. yd. of sand used. Instructions and enough Compound for 1 cu. yd., \$1.75; for 10 cu. yds., \$15; for 100 cu. yds., \$145. F. O. B. cash, please. Peninsular Laboratories, Dade City, Fla.

WANTED TO CONNECT and join with us two or three additional parties who wish to become interested jointly in the organization of a building and construction company. Parties experienced in the building industry desired and willing to invest three to five thousand dollars; also take active interest in the management. Splendid returns can be made on your investment. Full investigation will be allowed to parties who may mean business. Please do not answer unless you are really interested. Address No. 6967, care Manufacturers Record.

WINTER RESORT HOTEL MANAGEMENT WANTED

Experienced resort hotel manager, operating exclusive hotel and club, catering to very high-class clientele, desires management of large winter resort or all-year hotel property that will fit in with present summer operations. Twenty years' experience in connection with some of the finest houses in America. Understand workings of every department, building, furnishing and decorating hotels, and can build a high-class following for the right place.

CAPTAIN A. S. STANFORD, Prop'r, Monmouth Beach Hotel, Monmouth Beach, New Jersey.

After October 5 address 310 West 97th Street, New York, care Mackenzie.

GULF COAST PROPERTY

MISSISSIPPI GULF COAST. 200x400 feet; full riparian rights. Situated in midst of Edgewater Development Company's holdings about 700 feet west of Two Million Dollar Edgewater Gulf Hotel. Can be bought outright or leased for ninety-nine years. Terms very reasonable. W. E. Stewart, M. D., 402 Tribune Bldg., Terre Haute, Ind.

BUSINESS AND INVESTMENT PROPERTIES

VALUABLE WAREHOUSE PROPERTY FOR SALE OR LEASE AT NORFOLK, VA.

Location opposite Old Bay Line dock, intersection Kelly, Matthews and Water Streets; four stories, fronts three streets, 35,000 square feet floor space; two elevators, three garages and gas station, railroad sidings through and at side of building, unsurpassed handling facilities. Most suitable for storage, jobbing or distributing. Can be easily divided into two or three stores, all with railroad facilities; lowest insurance rate; two blocks from Main and Granby Streets. Immediate possession; liberal long-time purchase terms or reduced rental long lease. Would consider exchange smaller property near heart of city with railroad facilities. For full particulars apply to S. W. FANNILL, Realtor, 1107-08 National Bank of Commerce Building, Norfolk, Va.

PATENTS FOR SALE

ROYALTY PREFERRED—Nine interrelated U. S. patents on family water-stills, affording vitally essential health protection against hard, impure water. Unusual manufacturing opportunity. INVESTIGATE TODAY. Ernon V. Oliver, Inventor, 1116 N. Catalina Ave., Pasadena, California.

FINANCIAL

CAPITAL WANTED.

Experienced and successful manufacturer desires capital to purchase SUCCESSFUL MANUFACTURING PROPERTY, well located and having every favorable advantage, including abundance of raw material, cheap electric power, plenty of labor and low taxes. Unlimited outlet for finished product for indefinite period at nice profit. Proposition will stand rigid investigation. Address No. 6971, care Manufacturers Record, Baltimore, Md.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY
Woolworth Building New York City

INDUSTRIES WANTED

REMINGTON, VIRGINIA, will offer liberal inducements to a wood-working factory or other industrial enterprises to locate in the town. THE REMINGTON & COMMUNITY CO-OPERATIVE ASSOCIATION.

DO YOU WANT TO LOCATE in a live city—1200 population? Five thousand unemployed women within a fifteen-minute distance. Cheap power. Good roads. Will invest and give you a site. CHAMBER OF COMMERCE, Ball Ground, Ga.

INDUSTRIAL PLANTS

FOR SALE OR LEASE—Paint mfg. plant, capacity 1500 gal. daily; an opportunity for the right party with some experience. Address Owner, 2921 El Prado Blvd., Tampa, Fla.

WRITE FANTUS for factories anywhere. Wonderful values in buildings or equipped plants. Valuable industrial sites free of cost to established industries. For America's best buys, address Fantus Factory Locating Service, 139 North Clark Street, Chicago.

FOR SALE—Located in Georgia, a fully equipped Foundry, Machine Shop and Steel Fabricating Plant. No local competition. Or would like to correspond with able executive who will invest in plant and take active management. Address No. 6970, care of Manufacturers Record, Baltimore, Md.

TO SELL OR LEASE—A complete up-to-date match factory located in eastern Penn. on Penna. R. R. New buildings and equipment, latest improved match-making machinery, abundance of cheap labor. For full particulars address W. C. NICODEMUS, Selinsgrove, Penna.

MIXED FEED MILLING PLANT
Modern concrete building, fully equipped. Also adaptable as a warehouse. Railroad siding. Located within 3 blocks of local market section and Pennsylvania Avenue.
W. S. HOGE, JR.,
601 C Street S. W., Washington, D. C.

FACTORY BUILDINGS

FOR SALE—One factory building, 9000 square feet of floor space. Equipped with steam heat, electric wiring and other conveniences. H. A. VESTAL, Athens, Tenn.

FACTORY SITES

FACTORY SITES and acreage in Piedmont Section. Mill locations.
HUGHES T. REYNOLDS,
304 First National Bank Building, Rome, Georgia.

PATENT ATTORNEYS

FREE "PATENT PARTICULARS" Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F, Washington, D. C.

PATENTS—Booklet free. Highest references. Best results. Promptness assured. WATSON E. COLEMAN, Patent Lawyer, 724 Ninth St., N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

AGENCIES WANTED

WANTED—State or District representation for some well known, popular line selling only to retailers or wholesalers by unmarried man 38 of age. Twenty years business experience, 14 for self. College graduate. Many fraternal connections. Gilt edge references. Commission or salary. Have own car. Prefer line where could employ sub-agents. State your proposition in detail.

D. H. LLOYD,
Selma, Alabama.

SITUATIONS WANTED

BUILDING MATERIAL Salesman and Executive available. Thorough knowledge of retail yard operation and materials. Age 39, now operating own business. Seeks connection with progressive firm, South or Southeast. Address No. 6961, care Manufacturers Record, Baltimore, Md.

CIVIL ENGINEER, 29, college graduate, wishes supervising or executive position with Engineer or Contractor specializing in Improvement and Development work (water, sewers, roads, etc.). General Engineering and Construction. Address No. 6969, care of Manufacturers Record, Baltimore, Md.

MAN, aged 34, born in Holland, years' experience in engineer's office and highway construction, wants position. Know how to handle Chinese and Malay coolies. Speak English, French, Dutch, German, oriental languages. Will go anywhere. Address No. 6968, care Manufacturers Record, Baltimore, Md.

INDUSTRIAL BUREAU MANAGER
College graduate, experienced in industrial development work with large public utility, and with a number of years general business experience would like make connection with Chamber of Commerce as Industrial Bureau Manager. Address No. 6966, care of Manufacturers Record.

MEN WANTED

SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.
R. W. BIXBY, INC.,
103 Downtown Bldg., Buffalo, New York.

CONTRACT WORK WANTED

PLATE WORKING MACHINERY—a complete line. General and Special Machinery. Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs. Brass, Bronze and Aluminum to 10,000 lbs. COVINGTON MACHINE COMPANY, INC., Engineers Founders Machinists Covington, Va.



SPECIAL ADVERTISEMENTS OF GENERAL INTEREST



To Textile Mill Executives and Bankers

We offer our services as specialists in disposing of complete textile plants. This organization is well equipped to handle the conduct of mill liquidation and kindred activities.

If interested, write

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505 Fifth Ave.
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RELIABLE MANUFACTURER WANTED

to investigate opportunities to establish new plants in strategically located industrial city; local capital available to assist; unusual water, rail and truck transportation to big markets. Address

FRANK DORSEY, Mayor

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RANDOLPH-MACON SCHOOL FOR GIRLS

Danville, Virginia

(Branch of Randolph-Macon System)

Located in famous Piedmont Section of Virginia, one hundred and fifty miles southwest of Richmond.

Offers courses which meet maximum college entrance requirements. Certificate accepted. Post-graduate courses for those who wish additional preparation.

Piano, Voice, Violin, Art and Expression.

Experienced instructors.

Ideal school home. Modern conveniences. Large campus. Tennis, basketball, golf, etc.

Catalog gladly furnished.

John C. Simpson, A. M., Principal

AT AUCTION October 17, 1928, 10:30 A. M. Electrically Equipped **BRICK PLANT**

Daily capacity of 75,000; operated by 150 H. P. motor.

Approximately 1,000,000 burned brick in kilns and 750,000 dry brick under sheds ready to be burned.

Plant in good condition. Located on 20-acre tract of land on main line Atlantic Coast Line Railroad two miles north of Rocky Mount, N. C.

If further information is desired, communicate with
M. D. Munn, Rocky Mount, N. C.

SALE TAKES PLACE ON PREMISES

REMINGTON, VIRGINIA

will offer liberal inducements to a wood working factory or other industrial enterprises to locate in the town.

The Remington and Community Cooperative Association

YOU may replace certain machinery in your plant this year. Let us help you sell the equipment you will no longer need by advertising it in

THE RESALE DEPARTMENT
Manufacturers Record Baltimore, Md.

MURPHY'S HOTEL Richmond, Va.

Virginia's largest and Richmond's most centrally located Hotel. Every car line in the City passes Murphy's.

Rooms single and en suite.
Railroad tickets sold and baggage checked at Hotel.
Main Hotel and Grace Street Annex fireproof. Rates \$1.00 and up

JAMES T. DISNEY, Manager

Baltimore's Newest and Finest Hotel

Located in the heart of the wholesale and retail sections. Well lighted Sample Rooms. Attractive Cafeteria at Popular Prices. Beautifully decorated private dining rooms. Large Ball-room or Convention Hall, seating 500 people. Open Air Roof Garden (Open Season).

Every Room with Private Bath or Shower

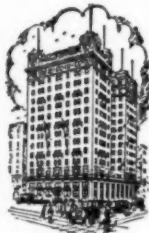
Rooms at \$4.00 per Day and Up

The SOUTHERN HOTEL

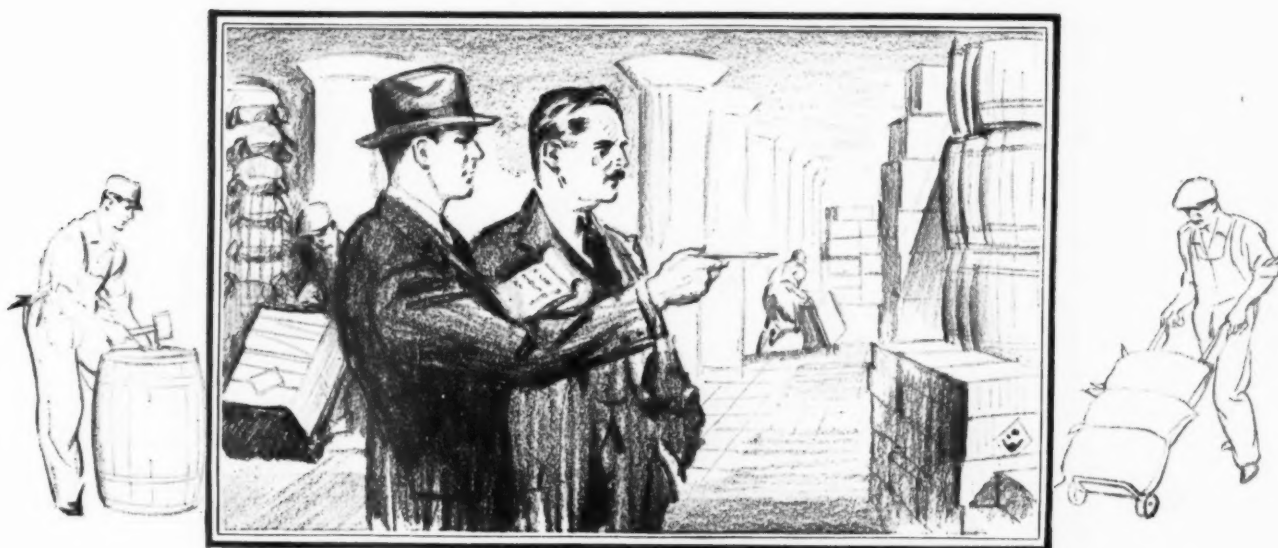
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This Packaging Engineer May Reveal Many Possible Economies

IN scores of manufacturing plants hundreds of dollars are leaking away every day in excess costs due to wrong packaging methods.

Money is being wasted unknowingly in one or more of seven ways: first cost of containers, make-ready costs, storage space costs, filling and closing costs, handling and loading costs, labor costs, freight costs.

In a vast number of cases many of these money losses can be eliminated by the use of Textile Bags. Hundreds of concerns have proved that a change from rigid containers to Textile Bags results in selling advantages and in greater profits. They have found that most distributors and con-

sumers give preference to Textile Bag packing because it also offers them advantages of convenience and economy.

No matter what the packaging requirements of your product may be, consult a T. B. M. A. Packaging Engineer. His investigation and tests may reveal possible savings and marketing advantages, and his services will cost you . . . exactly nothing.

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TEXTILE BAG MANUFACTURERS ASSOCIATION

205 W. WACKER DRIVE

CHICAGO, ILLINOIS



FOR racking, twisting, straining wear and tear on shovels nothing beats quarry work. In every quarry where a Lorain machine has been installed no other machine of any type, size or make except Lorain has been purchased afterwards.

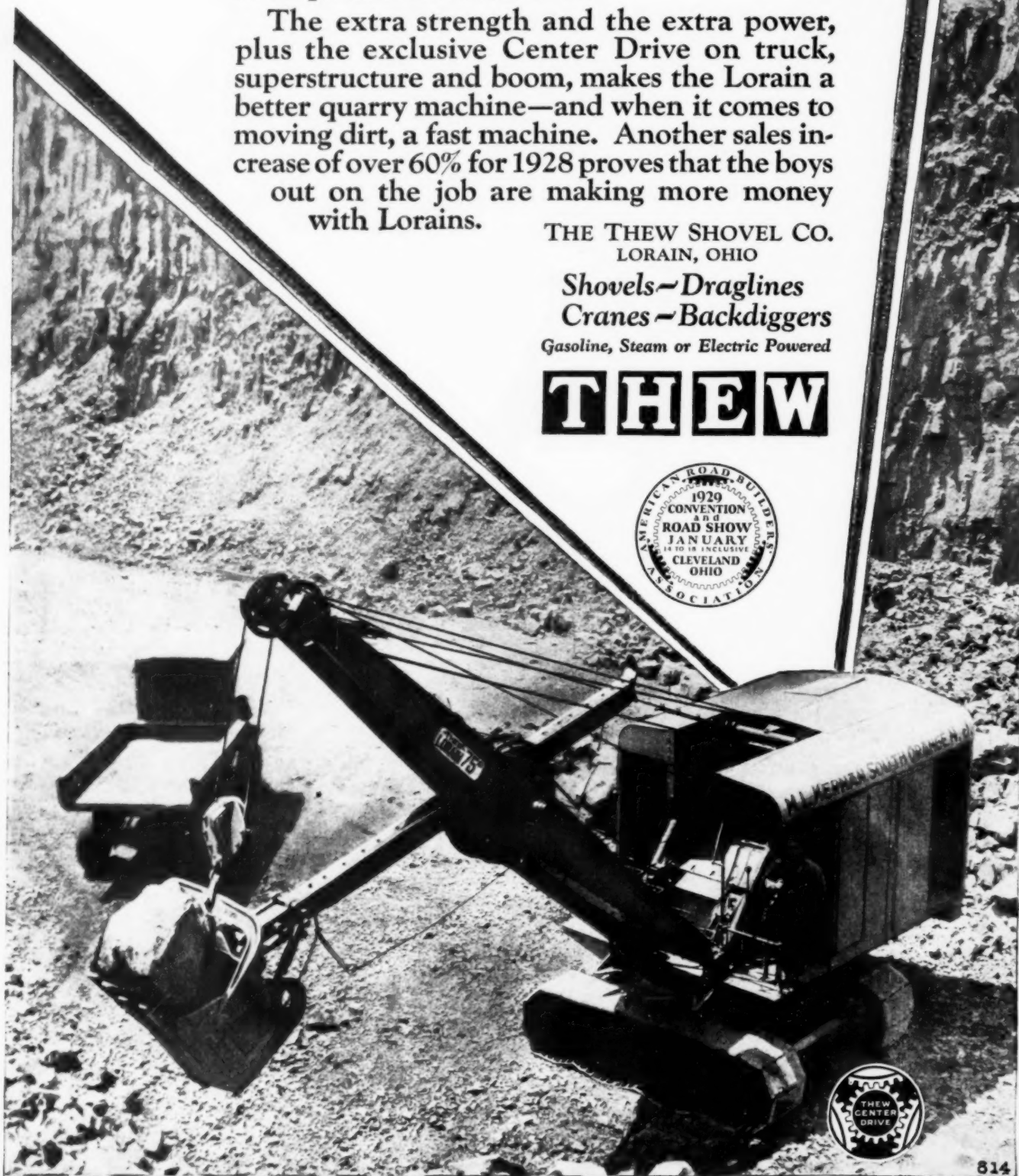
The extra strength and the extra power, plus the exclusive Center Drive on truck, superstructure and boom, makes the Lorain a better quarry machine—and when it comes to moving dirt, a fast machine. Another sales increase of over 60% for 1928 proves that the boys out on the job are making more money with Lorains.

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*Shovels—Draglines
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LORAIN 60 AND 75

